

EXHIBIT 1

DECLARATION OF DAVID D. LEWIS, Ph.D.

David D. Lewis states as follows:

1. I am a citizen and resident of the United States of America.
2. I am a consulting computer scientist and President of David D. Lewis Consulting, LLC, in Chicago, IL. I have been retained by Plaintiffs as a consulting expert in the matter of *In Re: Actos (Pioglitazone) Products Liability Litigation*. The facts stated in this declaration, except as otherwise explicitly noted, are within my own personal knowledge and if called as a witness to testify, I could and would competently testify to the facts contained in this declaration.
3. I received a Ph.D. in Computer Science from the University of Massachusetts at Amherst in 1992. My Ph.D. dissertation on using supervised learning for text classification (the core technology of "predictive coding") won the 1992 American Society for Information Science Doctoral Forum Award.
4. Between 1991 and 2000, I held research positions at the University of Chicago, Bell Labs, and AT&T Labs. Since 2000, I have been an independent consultant and have consulted for more than 40 clients on problems in text search, text classification, statistical evaluation, natural language processing, data mining, and related areas.
5. I have published over 75 scientific articles, including over 30 peer-reviewed conference and journal articles, on topics in information retrieval and statistical evaluation. I am an inventor on 8 issued patents in these areas.
6. I was elected a Fellow of the American Association for the Advancement of Science in 2006. The citation on my election read, "[y]ou are being honored for contributions to machine learning for automated indexing, including algorithms, evaluation frameworks, and datasets which are used worldwide by computer and information scientists."
7. In 2006, I was the co-founder (with Douglas Oard and Jason Baron) of the National Institute of Standards and Technology (NIST), Text Retrieval Conference (TREC) Legal Track, the first open evaluation of search and classification technology for e-discovery. Prior to that, I was the designer of the first TREC text classification evaluations, the TREC-4 and TREC-5 Filtering Tracks. More generally, I have served on the organizing committees of more than 15 United States government evaluations of information retrieval and natural language processing technologies.
8. A copy of my CV is attached to this declaration.

9. I submit this declaration to point out the lack of support for Defendants' claim that using predictive coding will be ineffective in this case and to point out the flaws in the strategy recently proposed by Defendants for identifying documents for review. I also discuss how the predictive coding strategy proposed by Plaintiffs makes effective use of predictive coding, while also making use of review work already done by Defendants.

Background on Predictive Coding

10. *Predictive coding* is the use of software based on *supervised machine learning* (learning from examples) to produce a predictive model. A *predictive model* in electronic discovery is a rule that can be used to assign documents a *predictive score* indicating the system's degree of confidence that a document is relevant to a particular issue (for instance, responsive to a request for production).
11. *It is important to note that predictive scores are **not** a measure of the degree of usefulness or importance of documents. A document of great legal importance and relevance can have a low predictive score because the predictive coding system is unsure if the document is relevant.* This can happen, for instance, if a responsive document uses unusual vocabulary.
12. Predictive coding software itself does not incorporate any knowledge of responsiveness. The software must be taught for each collection what characteristics responsive documents have. The software is taught by providing it with examples of documents that case experts have coded as responsive and examples of other documents they have coded as nonresponsive.
13. Predictive scores can be used for *prioritization*, i.e., to choose the order in which documents are reviewed. A more aggressive use of the scores is for *culling*, i.e., identifying documents that will not be reviewed at all. In culling, the use of predictive coding software may result in some collected documents not being reviewed.
14. The effectiveness of predictive coding can be estimated using statistical quality control methods. These methods involve taking one or more random samples, comparing the decisions made by the predictive coding system with expert manual coding, and using this data to estimate the effectiveness of the system on the entire Review Set.
15. The two most common measures of information retrieval effectiveness in the scientific literature are recall and precision. *Recall* is the proportion of responsive documents found by the system: how much of the good stuff did the system find. *Precision* is proportion of the documents found by the

system that were responsive: how much of the stuff that was found was actually good.

16. Recall is the measure of greatest interest in electronic discovery, since it measures the extent to which producing party has actually found the requested documents. While requesting parties have powerful search tools available to find relevant material even in a low-precision document production, requesting parties have no way to compensate for inadequate recall by the producing party.

Documents Referred to In This Declaration

17. In this declaration I will refer to the following documents:
18. An email ("Bonyata March 14 Email") dated March 14, 2013 from Heyward Bonyata to Neil Overholtz and John Martin.
19. An email ("Bonyata April 10 Email") dated April 10, 2013 from Heyward Bonyata to Neil Overholtz and John Martin.
20. An email ("Bonyata April 15 Email") dated April 15, 2013 from Heyward Bonyata to Neil Overholtz and John Martin..
21. A PDF file ("Bonyata April 15 Score Distribution Report") with file name "Relevance Score Distribution Report 4.15.13," which was attached to the Bonyata April 15 Email .
22. An email ("Flaming May 15 Email") dated May 15, 2013 from Julie Flaming to Neil Overholtz and others.
23. An email ("Overholtz May 24 Email") dated May 24, 2013 from Neil Overholtz to Special Master Carmen Rodriguez, Special Master Gary Russo, Heyward Bonyata, and others .
24. An email ("Bonyata May 28 Email") dated May 28, 2013, sent by Heyward Bonyata as a reply to the Overholtz May 24 Email.
25. An email ("Bonyata June 8 Email") dated June 8, 2013 from Heyward Bonyata to Neil Overholtz and others.
26. An email ("Knutson June 16 Email") dated June 16, 2013 from Sherry Knutson to Neil Overholtz and others.
27. The declaration of Douglas Forrest ("Forrest Declaration") dated June 17, 2013.

28. An undated Excel spreadsheet file ("State Case Search Term Queries") with file name "Takeda - Search Terms.xlsx" provided to me by Plaintiffs' Counsel on June 16, 2013. Plaintiffs' Counsel has informed me that this file contains some of the Boolean search term queries used to select documents for review in state litigation related to Actos.

Defendants' Statement that Predictive Coding has been Ineffective is Not Supported by Their Data

29. The Overholtz May 24 Email proposes that all documents with predictive scores of 52 or higher be reviewed and responsive documents produced. The Bonyata May 28 Email in reply states, "*[m]ost of the documents at the higher score points have been produced. Of the remainder at those score points, we think we have both found that the scores are not a reliable indicator of relevance.*"
30. Mr. Bonyata's first statement is a straightforward factual error. The Bonyata April 15 Score Distribution Report indicates that there are $334,228 + 253,619 + 176,276 + 133,075 + 150,469 = 1,047,667$ with scores of 50 or higher. The Bonyata June 8 Email indicates that 505,326 of those documents, or almost half, have not even been reviewed, much less produced, and of course many of the reviewed documents were not produced. If Mr. Bonyata intended to say that most of the *responsive* documents at the higher score points have been produced, that is a claim that would require statistical validation to test.
31. Mr. Bonyata's second statement appears to reflect a misunderstanding of how to evaluate the effectiveness of a predictive coding system. It suggests that one evaluate the effectiveness of a predictive coding system by first removing a set of documents identified by some unspecified alternative method and then evaluating what proportion of the *remaining* documents are responsive. One can obviously make the predictive coding system look arbitrarily bad in this fashion, regardless of how well it actually is operating.
32. As an example, the Bonyata June 8 Email states that 76,316 documents had predictive scores of 95 and above, and that 7,890 of these documents had not been reviewed prior to the use of predictive coding. Therefore $76,316 - 7,890 = 68,426$ documents were reviewed by Defendants based on selection by some method other than predictive coding.
33. The Bonyata June 8 Email also indicates that a total of 13,843 documents were reviewed as a result of reviewing the previously unreviewed 7,890 documents, with the additional $13,843 - 7,890 = 5,953$ documents being members of families containing one or more of the 7,890 documents.

34. The Flaming May 15 Email indicates that the responsive documents among the 13,843 documents were produced as Takeda's production Volume 361. The Forrest Declaration indicates that Volume 361 contains 4,543 documents.
35. Applying the reasoning in the Bonyata May 28 Email, a person might note that 4,543 of the 13,843 reviewed documents were produced by Defendants and conclude that the predictive coding system has a precision of $4,543 / 13,843 = 32.8\%$ at the 95+ cutoff level.
36. This conclusion would, however, be absurd. First, the fact that the review policy includes reviewing family members is irrelevant to the question of whether the predictive scores are indicative of relevance. More importantly, the fact that some other review method also found documents at the 95+ cutoff level is irrelevant to evaluating the effectiveness of the predictive coding method at the 95+ cutoff level.
37. Indeed, Defendants' own data shows that the predictive coding method has achieved a high level of precision at the 95+ cutoff level. To see this, note that the Forrest Declaration indicates that 65,392 documents were produced prior to predictive coding and later found to have predictive scores of 95+. These documents must have originated from the 68,426 documents that the Bonyata June 8 Email indicates were reviewed prior to predictive coding. If we assume that all 4,543 documents from Volume 361 originally had scores of 95+, then they originated in the previously unreviewed 7,890 documents with scores of 95+. Thus of the $68,426 + 7,890 = 76,316$ documents with scores of 95+, Defendants would have found that $65,392 + 4,543 = 69,935$ were responsive and not privileged. This corresponds to a precision of $69,935 / 76,316 = 91.6\%$, not 32.8%.
38. It is possible that some of the 4,543 documents were family members of the 7,890 documents with scores of 95+, rather than having scores of 95+ themselves. If we make the assumption that half of the 4,543 documents originated that way (unlikely, since these family members will have lower scores), then there would still be 67,663 responsive and not privileged documents among the documents with scores of 95+. This would give a precision of $67,663 / 76,316 = 88.7\%$. That is, almost 9 out of 10 documents at the 95+ score level would still be responsive.
39. A similar, though cruder, analysis can be done at other cutoffs. The Bonyata April 15 Score Distribution Report indicates that 1,047,667 documents received predictive scores of 50 or more. The Forrest Declaration indicates that 345,021 documents with scores of 50 or more have already been produced. Thus at a minimum, the precision of the predictive coding system at a cutoff of 50+ is $345,021 / 1,047,667 = 32.9\%$. The actual precision is undoubtedly substantially higher, since the Bonyata June 8 Email indicates

that 505,326 of the documents with scores of 50+ have not yet been reviewed.

40. Even if the precision of the predictive coding system were as low as 32.9%, at the 50+ score level it would still be substantially effective. The Bonyata April 10 Email indicates that the estimated recall of the predictive coding system at the 50+ score level is estimated to be 81.8%. A precision of 32.9% at a recall of 81.8% is well within the effectiveness range for predictive coding systems in application.
41. It should also be pointed out that my use of lower bound estimates in the above was necessary only because I did not have available the estimates of precision produced by the Equivio software used by Defendants. I am informed by Plaintiffs' Counsel that these precision estimates have not been provided by Defendants to Plaintiffs. This is despite the fact that the Bonyata April 10 Email includes estimates of recall at several cutoff levels and the same Equivio functionality that reports recall estimates at cutoffs also reports precision estimates at the same cutoffs.

Defendants' Proposal for Selecting Documents for Review Cannot Be Relied Upon

42. I am informed by Plaintiffs' Counsel that the Parties have devoted substantial effort to annotating documents both for training the predictive coding system, and for producing a control set that can be used to make statistical estimates of the effectiveness of review processes. The proposal in the Bonyata May 28 Email ("Defendants' Proposal") makes almost no use of these joint efforts. Under Defendants' Proposal, the only additional documents to be reviewed beyond those already produced would be those to which the predictive coding system gives scores between 90 and 95, **and** which match one of this set of search terms: *Acto* OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio* OR glitazone OR TZD OR thiazo* OR AD-4833 OR AD4833 OR 4833 OR HPPAR OR Glizone OR Pioz OR Zactos OR Raga* OR glitazar OR ciglitaz**.
43. This is like building an expensive irrigation system, but then turning it down to a trickle, and feeding that trickle into a leaky pipe. Defendants' Proposal selects only a small fraction of the responsive documents that the jointly trained predictive coding system has found, and then discards even some of those few responsive documents by filtering using an unvalidated search term query. Indeed, Defendants' Proposal would provide few additional responsive documents beyond those already produced.
44. The Bonyata June 8 email states that, subsequent to review of all documents with scores of 95+, there are only 12,247 unreviewed documents with scores of 90+ (all of which must therefore have scores between 90 and 95). At an


absolute maximum, therefore, Defendants' Proposal could result in at most 12,247 new responsive documents.

45. However, the 12,247 documents are those that are left from an original set of 150,469 documents with scores of 90+ (as specified by the Bonyata April 15 Score Distribution Report), after removing all documents with scores of 95+, and removing all documents already produced. Since both of the sets of removed documents are rich in responsive documents, the remaining 12,247 documents would be less rich in responsive documents than typical documents with scores of 90+.
46. Further, of that set of 12,247 depleted documents, Defendants propose to review only those matching the search query *Acto* OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio* OR glitazone OR TZD OR thiazo* OR AD-4833 OR AD4833 OR 4833 OR HPPAR OR Glizone OR Pioz OR Zactos OR Raga* OR glitazar OR ciglitaz**.
47. I am informed by Plaintiffs' Counsel that many of the documents that have already been produced to Plaintiffs by Defendants originate in document productions in state cases related to Actos. I am also informed by Plaintiffs' Counsel that Boolean search term queries were used to select documents for review in some of those cases. I am further informed by Plaintiffs' Counsel that the State Case Search Term Queries file contains some of the Boolean search term queries used to select documents for review in state cases related to Actos.
48. Many of the search terms present in the query to be used in Defendants' Proposal are also present in queries present in the State Case Search Term Queries. Therefore many of the 90+ scoring documents that might have been hit by the query in Defendants' Proposal would also have been already produced documents, and thus would have been removed in producing the set of 12,247 documents.
49. Defendants' Proposal does not include a count of how many of the 12,247 would be actually be hit by the proposed query, even though this would have been simple to compute. Indeed, it is logically possible that Defendants' Proposal would result in reviewing **zero** additional documents, because none of the 12,247 documents would be hit by their query.
50. Finally, I note that Bonyata May 28 Email does not propose making any evaluation of the recall of Defendants' Proposal, despite Parties having jointly assessed a control set of 1,073 documents ("Knutson June 16 Email") that could be used for evaluating the effectiveness of any method of document selection for review.

Plaintiffs' Proposed Use of Predictive Coding Would Be Effective and Would Provide a Statistical Validation of its Effectiveness

51. In contrast, the proposal in the Overholtz May 24 Email ("Plaintiffs' Proposal") would apply predictive coding in a fashion widely used in e-discovery. Under Plaintiffs' Proposal the set of documents with predictive scores of 52 or above would be selected for review. The Equivio software provides estimates of recall for the set of all documents above a specified cutoff, based on the jointly labeled control set. The Bonyata March 14 Email indicates that a cutoff of 52 would give a recall of approximately 80%. Thus Plaintiffs' Proposal is both effective and provides a statistical validation of that effectiveness.
52. The Bonyata April 15 Score Distribution Report indicates that $204,452 + 189,580 + 258,956 + 389,252 + 452,458 + 334,228 + 253,619 + 176,276 + 133,075 + 150,469 = 2,542,365$ documents have been scored by predictive coding. Of these, only $1,047,667 / 2,542,365 = 41.2\%$, have a score of 50 or greater. Somewhat fewer would have a score of 52 or greater, meaning that the predictive coding process will have already eliminated more than 58% of the initial 2,542,365 documents from being selected.
53. Further, Defendants have already reviewed many of the documents with scores of 52 or greater. The Bonyata June 8 Email states that only 505,326 documents with scores of 50 or more have not yet been reviewed. Again, somewhat fewer would have a score of 52 or greater.

Signed and attested to subject to the penalties of perjury this 17th day of June 2013.

 17-June-2013

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Curriculum Vitae
17-Jun-2013

Education & Awards

Fellow, American Association for the Advancement of Science (2006).

Ph.D. (1992) & M.S. (1988), Computer Science, Univ. of Massachusetts

- 1992 American Society for Information Science Doctoral Forum Award

B.S., Computer Science (1985) & B.A., Mathematics (1985), Michigan State Univ.

Employment

Consultant (sole proprietor) (2000-2005), David D. Lewis Consulting, LLC (2005-present)

- Commercial & Nonprofit Clients: Designed algorithms, software, and processes for information retrieval, data mining, natural language processing, and statistical evaluation. Analyzed data sets. Trained personnel. Advised on competitors, market opportunities, and commercial products. Performed due diligence for investors. Co-wrote successful Phase I and Phase II SBIR grant proposals for clients. Inventor on successful patent applications. Consulting expert and expert witness work in patent and e-discovery cases. Advised investment groups on patent valuations. Served on scientific advisory boards. Wrote technical white papers.
- University-Based Research: Collaborated with university faculty, resulting in refereed publications and widely used open source software. Supervised students and developers. Managed subcontracts. Co-wrote applications receiving grant and contract funding of almost 10 million dollars. Developed two major new information retrieval test collections, including first public test collection for e-discovery. Advised on technology transfer.

Visiting Research Fellow, Dept. of Computer Science, Royal Holloway Univ. of London (Jan. - Feb. 2003)

- Advised on applications of text mining technology.

Co-Founder, Ornarose, Inc.(2001-2004)

- Co-founded startup to build text and data mining software. PI on two successful NSF SBIR Phase I grants.

Adjunct Assistant Professor (1998-2000), Univ. of Pennsylvania

- Presented guest lectures. Collaborated with U Penn faculty.

Principal Technical Staff Member (1996-2000), Technical Staff Member (1992-1996)

AT&T Bell Labs and AT&T Labs

- Designed and led development of text classification and data mining platform. Supervised summer students and developer. Conducted research leading to publications and six patents. Built prototypes for, and consulted with, AT&T business units. Advised AT&T and AT&T Ventures on acquisitions of external technology and companies. Developed new public test collections for information retrieval research.

Employment, *cont.*

Research Associate (rank: Assistant Professor) (1991-1992)

Center for Information and Language Studies, Univ. of Chicago

- Co-taught seminar on IR. Conducted research. Supervised research assistants and developers on IR and NLP projects. Wrote grant proposals and received two subcontracts totaling \$100,000. Developed and distributed first public test collection for text categorization research.

Independent Consultant (1988-1992)

- Consulting on information retrieval, natural language processing, and knowledge representation.

Research Assistant, Dept. of Computer Science, Univ. of Mass. (1985-1991)

- Conducted research on IR, NLP, and machine learning. Supervised developers and student employees. Prepared and presented class lectures. Wrote portions of grants receiving funding of \$2.4 million.

Summer Intern, Honeywell, Inc. (Summer 1984)

- Implemented NLP systems for relational database search and document processing.

Tutorials, Summer Schools, Online Courses, and Short Courses

- Machine Learning for E-Discovery in Legal Cases. *UIUC Data Sciences Summer Institute 2012*.
- Machine Learning for Discovery in Legal Cases. *Machine Learning Summer School (MLSS 2011)*.
- Information Retrieval for E-Discovery: *SIGIR '10*, OLP online course.
- Text Mining (published title varies): *JSM '06*, *Infonortics '07*, *SIGIR '07*.
- Introduction to Logistic Regression (published title varies): *SIGIR '05*, *KDD '05*, *AAAI '08*, *SIGIR '09*.
- Text Mining for Surveillance I. *DIMACS Tutorial on Statistical and Other Analytic Health Surveillance Methods*. (June 2003).
- Text Mining. *CCR/DIMACS Workshop on Mining Massive Data Sets and Streams: Mathematical Methods and Algorithms for Homeland Defense* (June 2002).
- Machine Learning for Information Organization (published title varies): *Infonortics '01*, *ICML '01*, *SIGIR '01*, *ASIS&T '01*, *ACL '02*, *SIGIR '02*, *ASIS&T '02*, *SIGIR '03*, *SIGIR '04*, *Infonortics '05*.
- Advanced Machine Learning for Information Retrieval (* w/ Yoram Singer): *SIGIR '99**, *SIGIR '00**.
- Introduction to Machine Learning for Information Retrieval (* w/ Yoram Singer): *SIGIR '97*, *SIGIR '98*, *SIGIR '99**, *SIGIR '00**, *CIKM '00*.
- Natural Language Processing for Information Retrieval (* w/ Liz Liddy): *ACL '93**, *SIGIR '93**, *SIGIR '94**, *ASIS '94*.

Organizational Activities

- Member of planning committees for DOD & NIST evaluations of NLP & IR systems (MUC-3 & MUC-4, TREC-1 through TREC-6; TREC Genomics Pre-Track Workshop (2002); TREC-2004 to present; TREC-2005, 2006, 2007 Genomics Track Steering Committees). Designed and directed the first and second NIST TREC text classification evaluation (TREC-4 and TREC-5 Filtering Tracks, 1996). Co-designed/directed with Jason Baron and Doug Oard the first NIST TREC electronic discovery evaluation (TREC-2006 Legal Track, 2006). Co-coordinator TREC-2012 Legal Track (decision was made not to run it).
- Co-Organizer, *Workshop on Strategic Research Directions in AI: Knowledge Representation, Discovery, and Integration*, 2003.
- Chair & Founder, *Workshop on Operational Text Classification*, 2001 (OTC-01 & OTC-03). Organizing committee (OTC-02).
- Publicity Chair, *SIGIR '97*. Mentoring Chair (founded program), *SIGIR '01*. Awards Chair, *SIGIR '01*. Mentor, *SIGIR '03*. Best Paper Committee Chair, *SIGIR '03*.
- Session Leader, *NSF Information and Data Management Workshop*, 2000.
- Session Leader, *NSF IR Tools Workshop*, 1998.
- Founder and moderator (1995-), *DDL BETA (Text Classification Mailing List)*, 400+ subscribers.
- Secretary, *ACM Special Interest Group on Information Retrieval*, 1995-1997, 2003-2010.
- Program Chair (Information Retrieval), *Symposium on Document Analysis and Information Retrieval*, 1995.
- Co-chair, *AAAI Fall Symposium on Active Learning*, 1995.
- Co-chair, *Workshop on Learning in Intelligent Information Retrieval at Eighth International Workshop on Machine Learning*, 1991.

Other Service Activities

- External Advisory Board: Columbia Univ. Center for Research on Information Access (CRIA) (1996-?).
- Editorial boards: *ACM Transactions on Information Systems* (Associate Editor: 1994-2001), *Computational Linguistics* (1993-1995), *Encyclopedia of Information Retrieval* (1999-?), *Information Retrieval* (1997-2001), *Journal of Artificial Intelligence Research* (2000-2003), *Journal of Natural Language Engineering* (1994-2001).
- Co-Editor, *ACM Transactions on Information Systems Special Issue on Text Categorization* (1994).
- Program committees: *SIGIR* (1993-1998, 2000, 2002, 2011 2012), *SIGIR Best Paper Committee* (2009), *ARPA HLT* (1993), *WVLC* (1993), *ACL* (1994), *CIKM* (1994), *SDAIR* (1994-1996), *AAAI Workshop on Integrating Multiple Learned Models* (1996), *IJCAI Digital Libraries Workshop* (1997), *KDD* (1997), *AI &*

Statistics (1997-98), ICML (1998, 2000), Uncertainty (1999), WDA (2001), CEAS (2004), IJCNLP (2004), AIRWeb (2005), ECIR (2007), HLT (2009), ACL (2010), ECIR 2010 LSHC Workshop and others.

- Review panels: NSF SBIR (1993). NSF-CISE-IIS (2000).
- Graduate Student Representative, Computer Science Dept., U Mass Amherst (1987-1988).
- Cognitive Science Steering Committee, U Mass Amherst (1986-1988).
- Dissertation Committees: Michelle Keim (U. Washington, 1997). Ken Lang (CMU, unfinished: founder, *wisewire.com*). Marc Ringuette (CMU, unfinished: self-described software playboy). Aynur Dayanik (Rutgers, 2006).
- MentorNet mentor (1999-2001).

Testimony at Trial or By Deposition

KLEEN PRODUCTS, LLC, et al., Plaintiffs, vs. PACKAGING CORPORATION OF AMERICA, et al.
Testified as expert witness retained by Plaintiffs in evidentiary hearing on Feb. 21, 2012 and March 28, 2012.

Publications and Talks

Patents (issued)

- Chowdhury, A. R., Beitzel, S. M., Lewis, D. D., Kolcz, A. *Web query classification*. Patent No. 7,779,009 (August 17, 2010).
- Guyon, I., Reiss, E. P., Doursat, R., Weston, J. A. E., Lewis, D. D. *Data mining platform for bioinformatics and other knowledge discovery*. Patent No. 7,542,947 (Jun 2, 2009).
- Lewis, D. D., Singhal, A. K., and Stern, D. L. *Method and apparatus for communicating information in a supervised learning system*. Patent No. 6,523,017, Feb 18, 2003. Continuations: 6,668,248 (Dec 23, 2003); 6,931,383 (Aug 16, 2005).
- Church, K. W., Helfman, J. I., and Lewis, D. D. *Method for retrieving texts which are similar to a sample text*. Patent No. 5,970,484, Oct 19, 1999.
- Cohen, E. and Lewis, D. D. *Retrieval system and method*. Patent No. 5,950,189, Sep 7, 1999.
- Knowles, K. A. and Lewis, D. D. *Finding an e-mail message to which another e-mail message is a response*. Patent No. 5,905,863, May 18, 1999.
- Lewis, D. D. *Method and apparatus for training a text classifier*. Patent No. 5,675,710, Oct 7, 1997.
- Catlett, J. A., Gale, W. A., and Lewis, D. D. *Training apparatus and method*. Patent No. 5,671,333, Sep 23, 1997.

Peer-Reviewed Journal Articles

- Oard, D. W., Baron, J. R., Hedin, B., Lewis, D. D., Tomlinson, S. Evaluation of Information Retrieval for E-Discovery. *Artificial Intelligence and Law*, vol. 18, no. 4, pp. 347-386, December 2010.
- Beitzel, S. M., Jensen, E. C., Lewis, D. D., Chowdhury, A., Frieder, O. Automatic Classification of Web Queries Using Very Large Unlabeled Query Logs. *ACM Transactions on Information Systems*, vol 25, no. 2, April 2007.
- Genkin, A., Lewis, D. D., and Madigan, D. Large-Scale Bayesian Logistic Regression for Text Categorization. *Technometrics*, vol. 49, no. 3, pp. 291-304, August 2007.
- Lewis, D. D.; Yang, Y.; Rose, T.; and Li, F. RCV1: A New Benchmark Collection for Text Categorization Research. *Journal of Machine Learning Research*, vol. 5, pp. 361-397, 2004.
- Cohen, E. and Lewis, D. D., Approximating Matrix Multiplication for Pattern Recognition Tasks. *Journal of Algorithms*, vol. 30, pp. 211-252, 1999.
- Lewis, D. D. and Knowles, K. A., Threading Electronic Mail: A Preliminary Study. *Information Processing and Management*, vol. 33, pp. 209-217, 1997.

Lewis, D. D. and Sparck Jones, K., Natural Language Processing for Information Retrieval. *Communications of the ACM*, vol. 39, pp. 92-101, Jan, 1996.

Chinchor, N., Hirschman, L., and Lewis, D. D., Evaluating Message Understanding Systems: An Analysis of the Third Message Understanding Conference (MUC-3). *Computational Linguistics*, vol. 19, pp. 409-449, Sep, 1993.

Lewis, D. D., Croft, W. B., and Bhandaru, N., Language-Oriented Information Retrieval. *International Journal of Intelligent Systems*, vol. 4, pp. 285-318, 1989.

Peer-Reviewed Conference Papers

Agam, G., Argamon, A., Frieder, O., Grossman, D., Lewis, D. Content-Based Document Image Retrieval in Complex Document Collections. *Document Recognition and Retrieval XIII, Proc. SPIE Int. Soc. Opt. Eng. 6500*, pp. 65000S-1 to 65000S-12, 2007.

Dayanik, A., Lewis, D., Madigan, D., Menkov, V., Genkin, A. Constructing Informative Prior Distributions from Domain Knowledge in Text Classification. *Proceedings of the 29th Annual International ACM SIGIR Conference on Research and Development in Information Retrieval*, pp. 493-500, 2006.

Agam, G., Argamon, A., Frieder, O., Grossman, D., Lewis, D., Sohn, G., Voorhees, K. A Complex Document Information Processing Prototype. *Proceedings of the 29th Annual International ACM SIGIR Conference on Research and Development in Information Retrieval*, 2006. (Poster paper.)

Lewis, D., Agam, G., Argamon, A., Frieder, O., Grossman, D., Heard, J. Building a Test Collection for Complex Document Information Processing. *Proceedings of the 29th Annual International ACM SIGIR Conference on Research and Development in Information Retrieval*, 2006. (Poster paper.)

Lewis, D., Agam, G., Argamon, A., Frieder, O., Grossman, D., Heard, J. Building a Test Collection for Complex Document Information Processing. *Proceedings of the 29th Annual International ACM SIGIR Conference on Research and Development in Information Retrieval*, 2006. (Poster paper.)

Beitzel, S., Jensen, E. C., Frieder, O., Grossman, D. Lewis, D. D., Chowdhury, A., Kolcz, A. Improving Automatic Web Query Classification via Semi-Supervised Learning. *ICDM '05: The Fifth IEEE International Conference on Data Mining*, 2005.

Agam, G., Argamon, S., Frieder, O., Grossman, D., Lewis, D. "Document Information Processing: Towards Software and Test Collections," *2005 Symposium on Document Image Understanding Technology*, 2005.

Beitzel, S., Jensen, E. C., Frieder, O., Grossman, D. Lewis, D. D., Chowdhury, A., Kolcz, A. "Automatic web query classification using labeled and unlabeled training data," *Proceedings of the 28th Annual International ACM SIGIR Conference on Research and Development in Information Retrieval*, pp. 581-582, 2005. (Poster paper.)

- Madigan, D., Genkin, A., Lewis, D. D., Fradkin, D. "Bayesian Multinomial Logistic Regression for Author Identification," *25th International Workshop on Bayesian Inference and Maximum Entropy Methods in Science and Engineering*, pp. 509-516, 2005.
- Madigan, D., Genkin, A., Lewis, D. D., Argamon, S., Fradkin, D., Ye, L. "Author Identification on the Large Scale," *Joint Annual Meeting of the Interface and the Classification Society of North America*, 2005.
- Madigan, D., Eyheramendy, S., Lewis, D. D., "On the Naive Bayes Model for Text Categorization," *Proceedings of the Ninth International Workshop on Artificial Intelligence & Statistics*, 2003.
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Talks (selected)

- A Panel of Experts: A Candid Conversation. Legal Tech West Coast. Los Angeles, CA, May 21, 2013. (Panel, CLE)
- Electronic Discovery, Privilege, and Declassification. *The Declassification Engine: Conference on the Computational Analysis of Official Secrecy*. Columbia Univ., New York, NY, May 10, 2013.
- Technology Assisted Review, Part 2. *The 9th Annual Advanced eDiscovery Institute* (Georgetown Law), McLean, VA, December 6, 2012. (Panel, CLE)
- Analytics and Computer-Assisted Coding. *Chicago Association for Litigation Support annual CALSMposium*. Chicago, IL, Oct. 15, 2012. (Panel)
- Using Statistics and Sampling During Review and Production. *Chicago Association for Litigation Support annual CALSMposium*. Chicago, IL, Oct. 15, 2012. (Panel)
- Will Technology-Assisted Predictive Modeling and Auto-Classification End the 'End-User' Burden in Records Management? *MER Experience track at ARMA International 57th Annual Conference and Expo*, Chicago, IL, Sept 22, 2012. (w/ Jason Baron)
- Predictive Coding and Validation. *Carmel Valley E-Discovery Retreat*, Monterey, CA, July 24, 2012. (Panel, CLE)
- A Brief Overview of Technology-Assisted Review. Talk presented on panel *Predictive coding: What is it? What's next? Why is it important?* at the event *Strategies for Spanning the E-Discovery Divide*, part of the *2012 Masters Series for Legal Professionals*, Chicago, IL, June 20, 2012. (CLE)
- Roundtable Panel of Experts. *Seventh Circuit Electronic Discovery Committee Workshop on Computer-Assisted Review*, Chicago, IL, June 14, 2012. (Panel, CLE)

- Will Technology-Assisted Predictive Modeling and Auto-Classification End the ‘End-User’ Burden in Records Management? *National Conference on Managing Electronic Records*, Chicago, IL, May 7, 2012. (w/ Jason Baron)
- The E-Discovery Games: A Closer Look at Technology Assisted Document Review. *ACEDS Web Seminar*, Apr. 15, 2012, and Kroll Ontrack Webinar, April 25, 2012. (w/ Kara Kirkeby)
- Statistics and E-Discovery. *Chicago chapter of the American Statistical Association monthly meeting*, Chicago, IL, Mar. 20, 2012
- Computer-Assisted Review Technology - Will This Change the E-Discovery Game? *Breakfast Sponsored by TechLaw Solutions*, Chicago, IL, Mar. 16, 2012. (Panel)
- Understanding and Implementing a Computer-Assisted Review Workflow. *ACEDS Web Seminar*, Nov. 30, 2011. (Panel)
- Predictive Coding: A More Efficient and Less Expensive Search – But will the Courts Agree? *The Federal Bar Association, Western Pennsylvania Chapter, E-Discovery Series*, Oct. 27, 2011. (Panel)
- Machine Learning and Automated Review. *Chicago Association for Litigation Support annual CALSMposium*. Oct. 11, 2011. (Panel)
- Improving Searches; Recall & Precision, TREC Study, Iterative Search Term Analysis. *Chicago Association for Litigation Support annual CALSMposium*. Oct. 11, 2011. (Panel)
- Relativity Assisted Review. *Relativity Fest*, Sep. 26, 2011. (Panel)
- E-Discovery as Machine-Aided Annotation of a Finite Population. *SIGIR 2011 Information Retrieval for E-Discovery (SIRE) Workshop*, Beijing, China, July 28, 2011.
- Data, Knowledge, and E-Discovery. *International Conference on Artificial Intelligence and Law*, Pittsburgh, PA, June 7, 2011.
- Mock Hearing on the Disposition of Computer Tapes - You Render the Verdict - American Idol Style! *National Conference on Managing Electronic Records*, Chicago, IL, May 24, 2011. (w/ Hon. James Francis, Anne Kershaw, and Steven Bennett)
- A Brief Introduction to Non-Linear Review. *Chicago Chapter of the Association for Litigation Support Professionals*, Chicago, IL, Mar. 8, 2011.
- Information Retrieval for Electronic Discovery. *Michigan Information Retrieval Meetup*, Livonia, MI, Feb. 17, 2011.
- Machine Learning in Electronic Discovery. *Chicago Machine Learning Meetup*, Chicago, IL, Feb. 9, 2011.
- (Naive) Bayesian Text Classification for Spam Filtering. *Minimizing Market MAYhem: Statistical Applications in Direct Marketing, the Spring Conference of the Chicago Chapter of the American Statistical Association*, 2004.

- Text Mining: New Technologies from Old Concepts. *NFAIS*, 2004. (Panel)
- (Spam vs.) Forty Years of Machine Learning for Text Classification. *Spam Conference*, Cambridge, MA, 2003.
- That Sounds Like "Mine": Some Thoughts on Text and Speech Mining. *AT&T Speech Days*, Florham Park, NJ, Oct. 2002.
- Generative and Discriminative Models in Text Classification. *Workshop on Challenges in Information Retrieval and Language Modeling*, Univ. of Massachusetts at Amherst, Amherst, MA, Sep. 2002.
- Automatic Text Categorization. Testimony for hearing of National Research Council project on *Tools and Strategies for Protecting Kids from Pornography and Their Applicability to Other Inappropriate Internet Content* (Mar. 2001).
- Classifying and Mining Documents. *SPIE Document Recognition and Retrieval IX* (Jan. 2001).
- Next-Generation Information Access on the Web (panel). *ACM Conference on Information and Knowledge Management* (Nov. 2000).
- Text Categorization and Text Mining, *ACM SIGKDD International Conference on Knowledge Discovery & Data Mining: Workshop on Text Mining*, (Aug 2000).
- Machine Learning for Text Categorization: Background and Characteristics, *National Online Meeting and IOLS*, (May 2000).
- Naive (Bayes) at Forty: The Independence Assumption in Information Retrieval, *European Conference on Machine Learning*, 1998.
- Research Directions in Information Retrieval, *NSF Information and Data Management Workshop*, 1998.
- What Have We Learned, and Where are We Going?, *Infonortics Search Engine Meeting*, 1998.
- Challenges in Machine Learning for Text Classification, *Conference on Computational Learning Theory*, 1996.
- An Overview of Information Retrieval, *IEEE Signal Processing Society Workshop on Automatic Speech Recognition*, 1995.
- An Industry View on Education for IR (panel), *ACM SIGIR Conference on Research and Development in Information Retrieval*, 1995.
- Language Processing in Academia and Industry (panel), *American Society for Information Science Annual Conference*, 1994.
- Statistical Language Processing in Information Retrieval (panel), *IEEE Conference on Artificial Intelligence for Applications*, 1993.
- Optical Character Recognition and IR (panel), *Symposium on Document Analysis and Information Retrieval*, 1993.

- Natural Language and Information Retrieval (panel), *Workshop on Future Directions in Text Analysis, Retrieval, and Understanding*, 1991.

- Language-Oriented Information Retrieval (panel), *American Society for Information Science Annual Conference*, 1988.

- Evaluation in Information Retrieval, *DARPA Workshop on the Evaluation of Natural Language Processing Systems*, 1988.

- Invited talks at academic institutions and companies, including AT&T, BBN, Bellcore, Brooklyn Poly, Cancer Research UK, Carnegie Mellon, CDC, CNI-IRI Pisa, Columbia, CUNY - Queens, Colorado State, Cornell, DEC, DePaul, eBay, Fuji Xerox, General Electric, Georgetown, IBM, Johns Hopkins, Just Systems, Lincoln Labs, MathSoft, Michigan State, Microsoft –Cambridge, Microsoft – Redmond, MIT, MITRE, National Library of Medicine, Naval Research Laboratory, NEC, NYU, Siemens, Synopsys, Syracuse U., Thinking Machines, Thomson Publishing, Toyota Technological Institute, Unisys, U. California Berkeley, U. California Santa Cruz, U. Chicago, U. Dortmund, U. Glasgow, U. Illinois Chicago, U. Illinois UC, U. Limerick, U. Massachusetts Amherst, U. Michigan, U. Pitt, U. Maryland BC, U. Sheffield, U. Utah, U. Washington, U. Wisconsin, West Publishing, Xerox.

“Bonyata March 14 Email”

Neil Overholtz

From: Heyward Bonyata <Heyward.Bonyata@nelsonmullins.com>
Sent: Thursday, March 14, 2013 8:56 AM
To: John Martin; Neil Overholtz
Subject: RE: Actos Predictive Coding

Neil,

We have received some information from Epiq regarding new scoring. A cutoff score of approximately 52 is yielding a system estimated recall rate of 80%. We will supplement as we get additional information this week and should be in a position to produce an overlay of the new scores to you by early next week.

Thanks,
Heyward

-----Original Message-----

From: John Martin
Sent: Wednesday, March 13, 2013 5:06 PM
To: Neil Overholtz; Heyward Bonyata
Subject: RE: Actos Predictive Coding

Unfortunately no. Hoping vendor will deliver something today.

-----Original Message-----

From: Neil Overholtz [<mailto:NOverholtz@awkolaw.com>]
Sent: Tuesday, March 12, 2013 3:51 PM
To: John Martin; Heyward Bonyata
Subject: Actos Predictive Coding

Did I miss an email about the results?

Sent from my iPhone

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any transaction or tax-related matter[s]. To provide you with a communication that could be used to avoid penalties under the Internal Revenue Code will necessarily entail additional investigations, analysis and conclusions on our part.

“Bonyata April 10 Email”

Neil Overholtz

From: Heyward Bonyata <Heyward.Bonyata@nelsonmullins.com>
Sent: Wednesday, April 10, 2013 9:08 PM
To: Neil Overholtz; John Martin
Subject: RE: Actos Predictive Coding

Neil,

Please see below for additional cutoff score information. You should receive a DAT file overlay today that provides scores for documents produced to date. You will be able to use this information to determine the number of documents produced.

Cutoff score	System Estimated Recall Rate	System Estimated % of Documents in Scored Population	System Estimated Number of Documents in Scored Population
20	98.9%	84%	2,136,855
50	81.8%	41%	1,042,988
55	76.8%	34%	864,917
60	70.9%	28%	712,285
65	62.5%	22%	559,652
70	55.9%	18%	457,897
75	47.3%	14%	356,142
80	40.7%	11%	279,826
85	30.5%	8%	203,510
90*	23.9%	6%	152,632

* system was able to zero in on score 89

I hope to send you the score distribution report tomorrow.

Thanks,
Heyward

From: Neil Overholtz [mailto:NOverholtz@awkolaw.com]
Sent: Wednesday, April 10, 2013 5:24 PM
To: John Martin
Cc: Heyward Bonyata
Subject: RE: Actos Predictive Coding

Thank you for the response.

From: John Martin [mailto:john.martin@nelsonmullins.com]
Sent: Wednesday, April 10, 2013 4:02 PM
To: Neil Overholtz
Cc: Heyward Bonyata
Subject: Re: Actos Predictive Coding

Our vendor is working on the request now.

Sent from my iPhone

On Apr 10, 2013, at 3:37 PM, "Neil Overholtz" <NOverholtz@awkolaw.com> wrote:

I am tied up for a good part of the rest of the day , or I would propose a call but can you let me know before tomorrow's call whether the below information is going to be provided to us?

Sent from my iPhone

On Apr 9, 2013, at 7:09 AM, "Neil Overholtz" <NOverholtz@awkolaw.com> wrote:

Good morning, hope all is well.

We are ready to begin the negotiating phase of a production protocol for the documents identified through predictive coding. There are some things though that I believe you should be able to provide, that will assist both parties in this process.

1. Score distribution report and graph at the 10 point intervals
2. Can you provide data (raw, chart, etc..) on the number of documents at each score cutoff (20+, 50+, 75+, 90+), the number that have already been reviewed for production for each of those cutoffs, and then how many have been produced for each cutoff?
3. Can you provide additional data as provided in this chart at the following score points: (55, 60, 65, 70, 80, 85)?

Cutoff score	System Estimated Recall Rate	System Estimated % of Documents in Scored Population
20	98.9%	84%
50	81.8%	41%
75	47.3%	14%
90*	23.9%	6%

* system was able to zero in on score 89

I am also sending you a spreadsheet listing of documents provided in the sample productions that contain significant redactions, thereby making our assessment of the documents for relevance/non-relevance impossible or at least very difficult. I would request that un-redacted versions of such documents be produced to us, so that assessments can be made, even if the information is properly subject to redaction under the new order, as for these purposes it is necessary that we see through the redactions. If the redaction is for attorney-Client or work-product privilege, I would suggest that you replace the document with another randomly selected document.

Sincerely,
Neil Overholtz

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“Bonyata April 15 Email”

Neil Overholtz

From: Heyward Bonyata <Heyward.Bonyata@nelsonmullins.com>
Sent: Monday, April 15, 2013 12:30 PM
To: Neil Overholtz
Cc: John Martin
Subject: Actos Predictive Coding Report
Attachments: Relevance Score Distribution Report 4.15.13.pdf

Please find score distribution report attached.

Thanks,
Heyward

Nelson Mullins

Heyward D. Bonyata
Attorney at Law
heyward.bonyata@nelsonmullins.com

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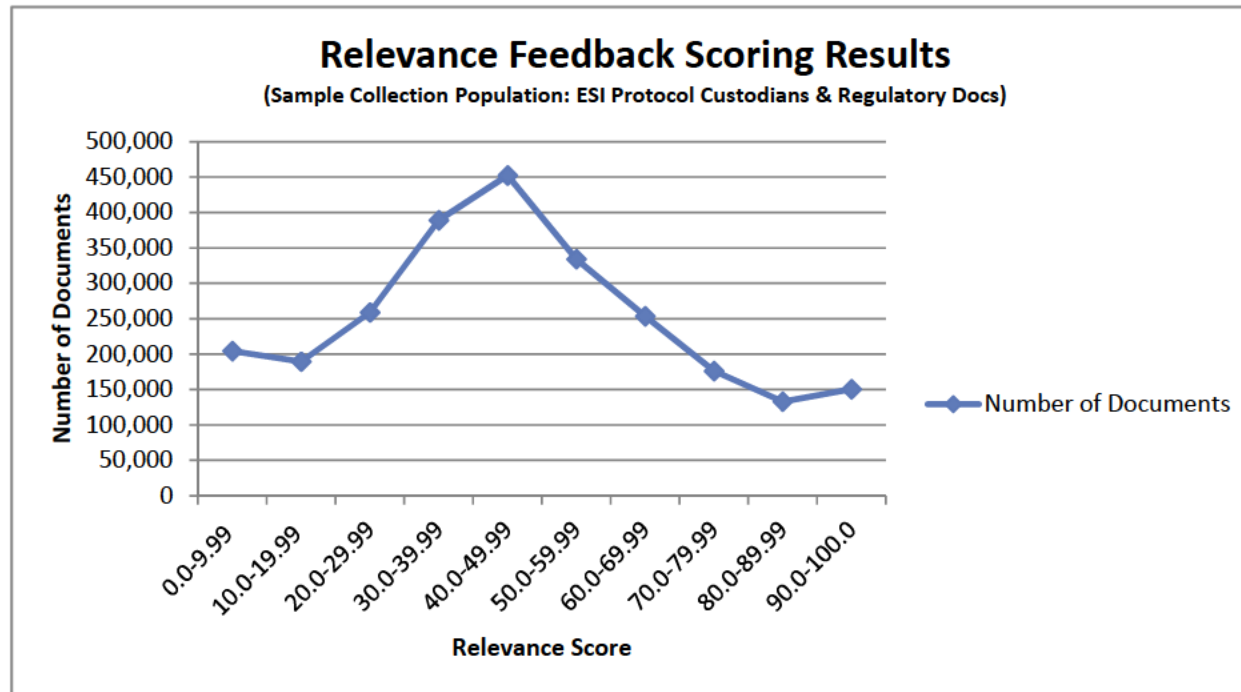
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“Bonyata April 15 Score Distribution Report”



Relevance Score	Number of Documents
0.0-9.99	204,452
10.0-19.99	189,580
20.0-29.99	258,956
30.0-39.99	389,252
40.0-49.99	452,458
50.0-59.99	334,228
60.0-69.99	253,619
70.0-79.99	176,276
80.0-89.99	133,075
90.0-100.0	150,469

“Flaming May 15 Email”

Neil Overholtz

From: Julie Flaming <julie.flaming@nelsonmullins.com>
Sent: Wednesday, May 15, 2013 7:15 PM
To: Neil Overholtz; 'jhoekstra@nbalawfirm.com'
Cc: John Martin; Heyward Bonyata
Subject: Re: Takeda- 05/15/13 Production (MDL)

Yes.

From: Neil Overholtz [mailto:NOverholtz@awkolaw.com]
Sent: Wednesday, May 15, 2013 08:12 PM
To: Julie Flaming; 'Jennifer M. Hoekstra' <jhoekstra@nbalawfirm.com>
Cc: John Martin; Heyward Bonyata
Subject: RE: Takeda- 05/15/13 Production (MDL)

Julie, are these the 95+ Predictive Coding Docs?

From: Julie Flaming [mailto:julie.flaming@nelsonmullins.com]
Sent: Wednesday, May 15, 2013 7:01 PM
To: 'PPennock@weitzlux.com'; Richard Arsenault (External); 'Jennifer M. Hoekstra'; Neil Overholtz
Cc: John Martin; Dell Chappell; 'sgourley@sidley.com'; 'Knutson, Sherry A.'; 'Huey, Nathan A.'; Ginger Asbill; Heyward Bonyata; Mandy Reeves Townes
Subject: Takeda- 05/15/13 Production (MDL)

Takeda's one hundred twenty-ninth production volume will be available later today on Epiq's Secure FTP Site. You will receive notification from Epiq and a link to access the site. The production volume will be available for 5 days. If you miss this timeframe, we will have the volume available for sending on DVD. The production volume contains the following:

Volume 361 (TAK361):

Perez, Alfonzo: TAK-PEREZA-00163646 – TAK-PEREZA-00165168
Hull, Andy: TAK-HULLAN-00112847 – TAK-HULLAN-00112857
Trochanov, Anton: TAK-TROCHA-00391280 – TAK-TROCHA-00392425
Gerrits, Charles: TAK-GERRIC-00003164 – TAK-GERRIC-00003241
Caggiano, Christopher: TAK-CAGGIAC-00359947 – TAK-CAGGIAC-00360517
Thom, Claire: TAK-THOMCL-00035598 – TAK-THOMCL-00035635
Orlando, Dan: TAK-ORLAND-00084316 – TAK-ORLAND-00084316
Ryan, D'Arcy: TAK-RYANDA-00141513 – TAK-RYANDA-00141513
Baron, David: TAK-BAROND-00380067 – TAK-BAROND-00380375
Recker, David: TAK-RECKED-00155745 – TAK-RECKED-00155801
Fusco, Gregory: TAK-FUSCOG-00063607 – TAK-FUSCOG-00064902
INDNDA: TAK-INDNDA-02031637 – TAK-INDNDA-02036137
Johnston, Janet: TAK-JOHNSJ-00170784 – TAK-JOHNSJ-00172246
Lorenz, Janet: TAK-LORENJ-00064312 – TAK-LORENJ-00064341
Greeby, Jennifer: TAK-GREEBJ-01417436 – TAK-GREEBJ-01419223
Lee, Jessie: TAK-LEEJES-00165305 – TAK-LEEJES-00165780
Tynan, Julie: TAK-TYNANJ-00320827 – TAK-TYNANJ-00321704
Alsene, Karen: TAK-ALSENK-00000001 – TAK-ALSENK-00000019
Paris, Maria: TAK-PARISM-00096409 – TAK-PARISM-00096631

Pritza, Mary Jo: TAK-PRITZM-00324810 – TAK-PRITZM-00325252
Ramstack, Mary: TAK-RAMSTM-00565219 – TAK-RAMSTM-00566038
Cuomo, Maryann: TAK-CUOMOM-00083904 – TAK-CUOMOM-00083935
Khan, Mehmood: TAK-KHANME-00023209 – TAK-KHANME-00023212
Roebel, Mick: TAK-ROEBEM-00120466 – TAK-ROEBEM-00120690
Caracci, Mike: TAK-CARACM-00076631 – TAK-CARACM-00076651
Daly, Rich: TAK-DALYRI-00280323 – TAK-DALYRI-00280364
Spanheimer, Robert: TAK-SPANHR-00414963 – TAK-SPANHR-00415082
Weisbrich, Shay: TAK-WEISBS-00071555 – TAK-WEISBS-00071555
Kupfer, Stuart: TAK-KUPFES-01338928 – TAK-KUPFES-01339151
Harris, Thomas: TAK-HARRIT-00083923 – TAK-HARRIT-00083933
Ortell, Una: TAK-ORTELU-00083798 – TAK-ORTELU-00083801

All productions are made pursuant to the Case Management Order Protecting the Confidentiality of Discovery Materials, the Case Management Order related to Assertions of Attorney-Client Privilege and Work Product Doctrine, and the Case Management Order related to Select Discovery Issues entered in this matter, as well as any other applicable protective orders that have been entered.

Please let Ginger Asbill (ginger.asbill@nelsonmullins.com or 803-255-9569) know if you have any issues with downloading the data. She will coordinate with Epiq to resolve the issues.

Nelson Mullins

Julie A. Flaming

Partner

julie.flaming@nelsonmullins.com

Nelson Mullins Riley & Scarborough LLP

Meridian, 17th Floor

1320 Main Street, Columbia, SC 29201

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“Overholtz May 24 Email”

Neil Overholtz

From: Neil Overholtz
Sent: Friday, May 24, 2013 9:58 AM
To: carmenrodriguez@joneswalker.com; grusso@joneswalker.com; Kenny DeJean (kwdejean@kwdejean.com); john.martin@nelsonmullins.com; Heyward Bonyata jhoekstra@nbalawfirm.com; JSedgh@weitzlux.com; rja.mobile@nbalawfirm.com; PPennock@weitzlux.com
Cc:
Subject: FW: Actos Predictive Coding PSC proposal

Carmen and Gary,

We have now received the first production of Predictive Coding documents with a score of 95 and above. The total documents produced number approximately 4000, and 16000 pages. We have reviewed these materials, and believe this exercise has been productive, however, it is unlikely that the Court expected that we would put the amount of effort that has been put in so far to only stop there. As you can see below, even if the Defendants were required to produce those documents, not previously produced, with scores above 90, that would only account for 6% of the population, and only result in 23% of relevant documents being produced based on the system generated projected recall rate. At a cut-off score of 80, the percentage of the collection only increase to 11%, but moves the relevant document percentage up to 40%. At a cut-off score of 70, the percentage of the collection only to increase to 18%, but would move us to a relevancy percentage of over 50%. In order to achieve a recall rate of only 80% of relevant documents, production of documents with a score of approximately 52 or greater. It should be noted, that the Defendants will not have to review or produce documents previously reviewed and produced from these custodians' files.

At this point the PSC would propose that a rolling production protocol be put in place, which would result in the production of documents as follows:

1. Cut-Off Score of 90+: June 10
2. Cut-Off Score of 85+: June 17
3. Cut-Off Score of 80+: June 24
4. Cut-Off Score of 70+: July 8
5. Cut-Off Score of 60+: July 22
7. Cut-Off Score of 52+: August 5

At that time the PSC would reserve its right to request additional Predictive Coding productions.

If the Defendants have any objections, we would request that such objections be provided by next Tuesday, May 27, so that we can seek a ruling on the matter next Friday during the weekly call.

Respectfully,
Neil Overholtz

Predictive Coding Score Report

Cutoff score	System Estimated Recall Rate	System Estimated % of Documents in Scored Population	System Estimated Number of Documents in Scored Population
20	98.9%	84%	2,136,855
50	81.8%	41%	1,042,988
55	76.8%	34%	864,917
60	70.9%	28%	712,285

65	62.5%	22%	559,652
70	55.9%	18%	457,897
75	47.3%	14%	356,142
80	40.7%	11%	279,826
85	30.5%	8%	203,510
90*	23.9%	6%	152,632

* system was able to zero in on score 89

“Bonyata May 28 Email”

Neil Overholtz

From: Heyward Bonyata <Heyward.Bonyata@nelsonmullins.com>
Sent: Tuesday, May 28, 2013 8:30 PM
To: Neil Overholtz
Cc: carmenrodriguez@joneswalker.com; grusso@joneswalker.com; Kenny DeJean (kwdejean@kwdejean.com); John Martin; jhoekstra@nbalawfirm.com; JSedgh@weitzlux.com; rja.mobile@nbalawfirm.com; PPennock@weitzlux.com
Subject: RE: Actos Predictive Coding PSC proposal

Neil,

Most of the documents at the higher score points have been produced. Of the remainder at those score points, we think we have both found that the scores are not a reliable indicator of relevance. However, we are willing to move to a score of 90+ where the following terms are present in those scored documents and will produce any additional responsive material identified.

Acto* OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio* OR glitazone OR TZD OR thiazo* OR AD-4833 OR AD4833 OR 4833 OR HPPAR OR Glizone OR Pioz OR Zactos OR Raga* OR glitazar OR ciglitaz*

Thanks,
Heyward

Nelson Mullins

Heyward D. Bonyata
Attorney at Law
heyward.bonyata@nelsonmullins.com

Nelson Mullins Riley & Scarborough LLP

Meridian, 17th Floor
1320 Main Street, Columbia, SC 29201
Tel: 803.255.9655 Fax: 803.255.5924
www.nelsonmullins.com
([View Bio](#))

From: Neil Overholtz [mailto:NOverholtz@awkolaw.com]
Sent: Friday, May 24, 2013 10:58 AM
To: carmenrodriguez@joneswalker.com; grusso@joneswalker.com; Kenny DeJean (kwdejean@kwdejean.com); John Martin; Heyward Bonyata
Cc: jhoekstra@nbalawfirm.com; JSedgh@weitzlux.com; rja.mobile@nbalawfirm.com; PPennock@weitzlux.com
Subject: FW: Actos Predictive Coding PSC proposal

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We have now received the first production of Predictive Coding documents with a score of 95 and above. The total documents produced number approximately 4000, and 16000 pages. We have reviewed these materials, and believe this exercise has been productive, however, it is unlikely that the Court expected that we would put the amount of effort that has been put in so far to only stop there. As you can see below, even if the Defendants were required to produce those documents, not previously produced, with scores above 90, that would only account for 6% of the population, and only result in 23% of relevant documents being produced based on the system generated projected recall rate. At a cut-off score of 80, the percentage of the collection only increase to 11%, but moves the relevant document percentage up to 40%. At a cut-off score of 70, the percentage of the collection only to increase to 18%, but

would move us to a relevancy percentage of over 50%. In order to achieve a recall rate of only 80% of relevant documents, production of documents with a score of approximately 52 or greater. It should be noted, that the Defendants will not have to review or produce documents previously reviewed and produced from these custodians' files.

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At that time the PSC would reserve its right to request additional Predictive Coding productions.

If the Defendants have any objections, we would request that such objections be provided by next Tuesday, May 27, so that we can seek a ruling on the matter next Friday during the weekly call.

Respectfully,
Neil Overholtz

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60	70.9%	28%	712,285
65	62.5%	22%	559,652
70	55.9%	18%	457,897
75	47.3%	14%	356,142
80	40.7%	11%	279,826
85	30.5%	8%	203,510
90*	23.9%	6%	152,632

* system was able to zero in on score 89

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“Bonyata June 8 Email”

Neil Overholtz

From: Heyward Bonyata <Heyward.Bonyata@nelsonmullins.com>
Sent: Saturday, June 08, 2013 7:59 AM
To: Neil Overholtz
Cc: John Martin; Rodriguez, Carmen M.; Russo, Gary; RJA Mobile (rja.mobile@nbalawfirm.com)
Subject: Predictive Coding Information

Neil,

Below is information we discussed providing on Tuesday.

Regarding the score of 95+, the number of documents in the scored population is 76,316. Prior to reviewing the unreviewed documents in this band of 95+, the number of unreviewed documents was 7,890. With family members, the number of documents was 13,843 documents.

For the other score points, the numbers of currently unreviewed documents are below. Please remember that when family members are considered, the number of unreviewed documents will increase.

Range	Currently Unreviewed Documents
90+	12,247
80+	56,483
70+	144,021
60+	290,503
50+	505,326
40+	810,925
30+	1,093,656
20+	1,287,332
10+	1,438,627

Thanks and hope you have a nice weekend.

Heyward

Nelson Mullins

Heyward D. Bonyata

Attorney at Law

heyward.bonyata@nelsonmullins.com

Nelson Mullins Riley & Scarborough LLP

Meridian, 17th Floor

1320 Main Street, Columbia, SC 29201

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“Knutson June 16 Email”

Neil Overholtz

From: Knutson, Sherry A. <SKnutson@Sidley.com>
Sent: Sunday, June 16, 2013 9:51 AM
To: Neil Overholtz
Cc: john.martin@nelsonmullins.com; Heyward.Bonyata@nelsonmullins.com; carmenrodriguez@joneswalker.com; grusso@joneswalker.com; Richard Arsenault (External); MCOWING@shb.com; DTALBERT@shb.com; Gourley, Sara J.
Subject: FW: Predictive Coding Information
Attachments: stanton_assessment2_73docs.csv; stanton_firstassessment_1k.xlsx; Read_To_Recall_report.xlsx

Neil, attached are two of the reports that you requested: : (1) batch calculation report (aka read to recall) and (2) scores & coding of control set or the 2 assessment phases. I am working on obtaining the other requested reports from Epiq. Please include me on emails relating to predictive coding. Thanks, Sherry

From: Neil Overholtz <NOverholtz@awkolaw.com>
Date: June 15, 2013, 5:38:51 PM EDT
To: Heyward Bonyata <Heyward.Bonyata@nelsonmullins.com>
Cc: John Martin <john.martin@nelsonmullins.com>, "Rodriguez, Carmen M." <carmenrodriguez@joneswalker.com>, "Russo, Gary" <grusso@joneswalker.com>, "RJA Mobile (rja.mobile@nbalawfirm.com)" <rja.mobile@nbalawfirm.com>
Subject: RE: Predictive Coding Information

In light of the deadline for our Motion, and the need for both parties to be on similar footing, we would request that the additional information we requested be provided as soon as possible, so that it may be considered by our expert David Lewis. We would further request that we be provided with any other quantitative data that Takeda intends to include in their Motion, if any, on Monday, (e.g. complete Equivio outputs from which the recall figures Takeda provided were extracted, including at a minimum the precision figure corresponding to each recall figure.)-

As a reminder we requested:

"Additionally, our statistics expert, Dave Lewis, has requested the following items to do an analysis regarding the effectiveness of the predictive coding so far, and the potential effectiveness of your proposed search query.

1. The complete standard "Batch Calculation" report from Equivio, which shows information at 100 cutoffs, not just 10.
2. A list of the unique IDs of all documents in the control set, and the jointly made relevance assessment for that document.
3. A list of the unique IDs of all documents retrieved by their proposed Boolean query at score points from scores of 50+ with the accompanying score.
4. A list of the unique IDs and scores of all documents in the collection."

Respectfully,
Neil Overholtz

From: Heyward Bonyata [<mailto:Heyward.Bonyata@nelsonmullins.com>]
Sent: Tuesday, June 11, 2013 8:19 PM
To: Neil Overholtz
Cc: John Martin; Rodriguez, Carmen M.; Russo, Gary; RJA Mobile (rja.mobile@nbalawfirm.com)
Subject: RE: Predictive Coding Information

Neil,

Takeda is working with the vendors to provide additional requested information by Tuesday of next week. If Takeda is able to provide any pieces earlier, it will do so.

Thanks,
Heyward



Heyward D. Bonyata

Attorney at Law

heyward.bonyata@nelsonmullins.com

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From: Heyward Bonyata
Sent: Saturday, June 08, 2013 8:59 AM
To: NOverholtz@awkolaw.com
Cc: John Martin (john.martin@nelsonmullins.com); 'Rodriguez, Carmen M.'; Russo, Gary; RJA Mobile (rja.mobile@nbalawfirm.com)
Subject: Predictive Coding Information

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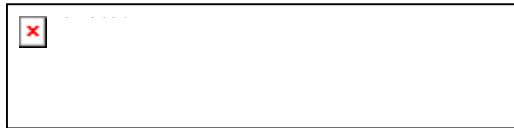
For the other score points, the numbers of currently unreviewed documents are below. Please remember that when family members are considered, the number of unreviewed documents will increase.

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-------	--------------------------------

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Thanks and hope you have a nice weekend.

Heyward



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Attorney at Law

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Ex. 1 to Knutson June 16 Email

Read	Recall
0	0
1	4.1958
2	8.3916
3	12.5874
4	16.6434
5	20.5594
6	23.9161
7	27.4126
8	30.4895
9	34.1259
10	37.7622
11	40.6993
12	42.6573
13	44.6154
14	47.2727
15	49.9301
16	52.028
17	54.1259
18	55.9441
19	57.4825
20	60
21	61.2587
22	62.5175
23	63.9161
24	65.4545
25	66.993
26	68.5315
27	69.6503
28	70.9091
29	72.1678
30	72.8671
31	74.1259
32	74.8252
33	76.2238
34	76.7832
35	77.9021
36	78.4615
37	79.3007
38	80
39	80.4196
40	81.8182
41	82.3776
42	83.2168
43	83.4965
44	84.3357
45	84.6154

46	85.4545
47	86.4336
48	86.993
49	87.1329
50	87.8322
51	88.2517
52	88.951
53	89.0909
54	89.3706
55	89.9301
56	90.0699
57	90.4895
58	90.7692
59	91.4685
60	92.028
61	92.4476
62	92.7273
63	92.8671
64	93.5664
65	93.7063
66	94.2657
67	94.4056
68	94.4056
69	94.5455
70	94.965
71	95.1049
72	95.3846
73	95.6643
74	95.8042
75	95.8042
76	96.3636
77	96.9231
78	97.3427
79	97.7622
80	98.042
81	98.1818
82	98.3217
83	98.6014
84	98.8811
85	98.8811
86	99.1608
87	99.3007
88	99.4406
89	99.4406
90	99.4406
91	99.5804
92	99.7203

93	99.8601
94	99.8601
95	99.8601
96	99.8601
97	99.8601
98	99.8601
99	100
100	100

Ex. 2 to Knutson June 16 Email

Row ID	Document	DMX: Issue Expert Coding	Comments
1	w:\relevance003\text\vol001\0035\sta00033810.txt	Not Responsive	
2	w:\relevance003\text\vol007\0139\sta00857178.txt	Not Responsive	
3	w:\relevance003\text\vol006\0006\sta00162896.txt	Responsive	
4	w:\relevance003\text\vol008\0022\rocp1429604.txt	Responsive	
5	w:\relevance003\text\vol007\0025\sta00640326.txt	Skip	
6	w:\relevance003\text\vol006\0044\rocp0224873.txt	Not Responsive	
7	w:\relevance003\text\vol007\0120\sta00814456.txt	Not Responsive	
8	w:\relevance003\text\vol004\0031\sta00150116.txt	Responsive	
9	w:\relevance003\text\vol004\0017\sta00136049.txt	Responsive	PRIV-RED
10	w:\relevance003\text\vol007\0061\sta00770825.txt	Not Responsive	
11	w:\relevance003\text\vol003\0042\sta00099147.txt	Responsive	
12	w:\relevance003\text\vol007\0034\sta00742455.txt	Not Responsive	
13	w:\relevance003\text\vol004\0009\sta00127403.txt	Responsive	
14	w:\relevance003\text\vol007\0138\sta00915581.txt	Not Responsive	
15	w:\relevance003\text\vol007\0034\sta00742762.txt	Not Responsive	
16	w:\relevance003\text\vol007\0142\sta00871578.txt	Not Responsive	
17	w:\relevance003\text\vol007\0112\sta00810733.txt	Not Responsive	
18	w:\relevance003\text\vol001\0034\sta00033236.txt	Responsive	
19	w:\relevance003\text\vol008\0010\rocp1255190.txt	Responsive	
20	w:\relevance003\text\vol003\0040\sta00112057.txt	Responsive	
21	w:\relevance003\text\vol007\0023\rocp1113168.txt	Responsive	
22	w:\relevance003\text\vol007\0152\sta00874882.txt	Not Responsive	
23	w:\relevance003\text\vol007\0096\sta00801353.txt	Not Responsive	
24	w:\relevance003\text\vol007\0156\sta00876580.txt	Not Responsive	
25	w:\relevance003\text\vol003\0010\sta00073603.txt	Responsive	
26	w:\relevance003\text\vol004\0020\sta00138797.txt	Responsive	
27	w:\relevance003\text\vol006\0024\sta00180071.txt	Not Responsive	
28	w:\relevance003\text\vol007\0176\sta00867289.txt	Not Responsive	
29	w:\relevance003\text\vol003\0044\sta00113858.txt	Not Responsive	
30	w:\relevance003\text\vol002\0014\sta00057212.txt	Responsive	
31	w:\relevance003\text\vol007\0108\sta00846871.txt	Not Responsive	
32	w:\relevance003\text\vol007\0162\sta00878731.txt	Not Responsive	
33	w:\relevance003\text\vol008\0013\rocp1268546.txt	Responsive	

34	w:\relevance003\text\vol007\0133\sta00913364.txt	Skip	
35	w:\relevance003\text\vol007\0206\rocp1144381.txt	Responsive	
36	w:\relevance003\text\vol007\0156\sta00876718.txt	Not Responsive	
37	w:\relevance003\text\vol007\0063\sta00772919.txt	Not Responsive	
38	w:\relevance003\text\vol002\0018\sta00061429.txt	Responsive	
39	w:\relevance003\text\vol004\0009\sta00127581.txt	Skip	
40	w:\relevance003\text\vol007\0131\sta00854103.txt	Not Responsive	
41	w:\relevance003\text\vol006\0015\sta00171710.txt	Not Responsive	
42	w:\relevance003\text\vol001\0012\sta00003666.txt	Responsive	
43	w:\relevance003\text\vol003\0035\sta00095753.txt	Not Responsive	
44	w:\relevance003\text\vol006\0031\sta00207624.txt	Responsive	
45	w:\relevance003\text\vol001\0030\sta00021576.txt	Responsive	
46	w:\relevance003\text\vol007\0105\sta00806774.txt	Not Responsive	
47	w:\relevance003\text\vol001\0040\sta00038740.txt	Responsive	
48	w:\relevance003\text\vol007\0024\sta00639250.txt	Skip	
49	w:\relevance003\text\vol007\0197\sta00904226.txt	Not Responsive	
50	w:\relevance003\text\vol007\0026\sta00663906.txt	Not Responsive	
51	w:\relevance003\text\vol007\0170\sta00926860.txt	Not Responsive	
52	w:\relevance003\text\vol007\0181\sta00888149.txt	Not Responsive	
53	w:\relevance003\text\vol002\0011\sta00054474.txt	Responsive	
54	w:\relevance003\text\vol004\0025\sta00143633.txt	Responsive	
55	w:\relevance003\text\vol002\0019\sta00063008.txt	Not Responsive	
56	w:\relevance003\text\vol004\0012\sta00130368.txt	Not Responsive	
57	w:\relevance003\text\vol007\0089\sta00838730.txt	Not Responsive	
58	w:\relevance003\text\vol007\0025\sta00640183.txt	Skip	
59	w:\relevance003\text\vol002\0017\sta00060543.txt	Responsive	
60	w:\relevance003\text\vol007\0002\rocp0739825.txt	Responsive	
61	w:\relevance003\text\vol007\0003\rocp0751881.txt	Responsive	
62	w:\relevance003\text\vol007\0081\sta00796730.txt	Responsive	
63	w:\relevance003\text\vol007\0050\sta00749091.txt	Not Responsive	
64	w:\relevance003\text\vol007\0166\sta00879720.txt	Not Responsive	
65	w:\relevance003\text\vol007\0195\sta00902402.txt	Not Responsive	
66	w:\relevance003\text\vol007\0114\sta00811521.txt	Responsive	
67	w:\relevance003\text\vol007\0202\sta00909738.txt	Not Responsive	

68	w:\relevance003\text\vol007\0159\sta00922893.txt	Not Responsive	
69	w:\relevance003\text\vol007\0125\sta00818870.txt	Not Responsive	
70	w:\relevance003\text\vol008\0007\rocp1237335.txt	Responsive	
71	w:\relevance003\text\vol007\0125\sta00819237.txt	Not Responsive	
72	w:\relevance003\text\vol007\0192\sta00899385.txt	Not Responsive	
73	w:\relevance003\text\vol007\0115\sta00850077.txt	Skip	
74	w:\relevance003\text\vol007\0070\sta00792245.txt	Not Responsive	
75	w:\relevance003\text\vol001\0026\sta00018210.txt	Responsive	
76	w:\relevance003\text\vol007\0156\sta00876611.txt	Not Responsive	
77	w:\relevance003\text\vol001\0018\sta00010191.txt	Responsive	
78	w:\relevance003\text\vol007\0154\sta00861041.txt	Skip	
79	w:\relevance003\text\vol007\0011\rocp0877192.txt	Responsive	
80	w:\relevance003\text\vol006\0021\sta00176490.txt	Responsive	
81	w:\relevance003\text\vol003\0039\sta00111498.txt	Responsive	
82	w:\relevance003\text\vol004\0014\sta00132571.txt	Responsive	
83	w:\relevance003\text\vol004\0028\sta00146921.txt	Skip	
84	w:\relevance003\text\vol005\0004\sta00154705.txt	Not Responsive	
85	w:\relevance003\text\vol006\0035\rocp0050517.txt	Responsive	
86	w:\relevance003\text\vol006\0026\sta00182286.txt	Skip	
87	w:\relevance003\text\vol004\0004\sta00123049.txt	Responsive	
88	w:\relevance003\text\vol006\0009\sta00165826.txt	Not Responsive	
89	w:\relevance003\text\vol007\0092\sta00839597.txt	Not Responsive	
90	w:\relevance003\text\vol007\0146\sta00858811.txt	Skip	
91	w:\relevance003\text\vol008\0022\rocp1407383.txt	Responsive	
92	w:\relevance003\text\vol007\0194\sta00901194.txt	Not Responsive	
93	w:\relevance003\text\vol007\0056\sta00768003.txt	Not Responsive	
94	w:\relevance003\text\vol006\0007\sta00163914.txt	Not Responsive	
95	w:\relevance003\text\vol007\0152\sta00920473.txt	Not Responsive	
96	w:\relevance003\text\vol003\0056\sta00106351.txt	Not Responsive	
97	w:\relevance003\text\vol007\0089\sta00838704.txt	Not Responsive	
98	w:\relevance003\text\vol006\0023\sta00179049.txt	Not Responsive	
99	w:\relevance003\text\vol007\0203\sta00909902.txt	Not Responsive	
100	w:\relevance003\text\vol007\0133\sta00913414.txt	Skip	
101	w:\relevance003\text\vol001\0020\sta00012222.txt	Responsive	

102	w:\relevance003\text\vol007\0094\sta00800531.txt	Skip	
103	w:\relevance003\text\vol006\0019\sta00174995.txt	Not Responsive	
104	w:\relevance003\text\vol007\0117\sta00850457.txt	Skip	
105	w:\relevance003\text\vol007\0055\sta00767389.txt	Not Responsive	
106	w:\relevance003\text\vol003\0038\sta00110641.txt	Responsive	
107	w:\relevance003\text\vol001\0029\sta00020518.txt	Not Responsive	
108	w:\relevance003\text\vol003\0052\sta00118031.txt	Responsive	
109	w:\relevance003\text\vol001\0008\sta00000275.txt	Responsive	
110	w:\relevance003\text\vol003\0009\sta00071227.txt	Responsive	
111	w:\relevance003\text\vol007\0010\rocp0868063.txt	Responsive	
112	w:\relevance003\text\vol007\0034\sta00742485.txt	Not Responsive	
113	w:\relevance003\text\vol007\0043\sta00761000.txt	Not Responsive	
114	w:\relevance003\text\vol001\0031\sta00023010.txt	Responsive	
115	w:\relevance003\text\vol007\0048\sta00748486.txt	Not Responsive	
116	w:\relevance003\text\vol007\0088\sta00838308.txt	Not Responsive	
117	w:\relevance003\text\vol006\0006\sta00163083.txt	Skip	
118	w:\relevance003\text\vol001\0008\sta00000156.txt	Not Responsive	
119	w:\relevance003\text\vol001\0019\sta00011013.txt	Responsive	PRIV-WH
120	w:\relevance003\text\vol007\0138\sta00915297.txt	Skip	
121	w:\relevance003\text\vol007\0039\sta00757220.txt	Not Responsive	
122	w:\relevance003\text\vol007\0213\rocp1198127.txt	Responsive	
123	w:\relevance003\text\vol006\0002\sta00158720.txt	Skip	
124	w:\relevance003\text\vol008\0001\sta00951407.txt	Responsive	
125	w:\relevance003\text\vol003\0046\sta00101303.txt	Skip	
126	w:\relevance003\text\vol007\0155\sta00861369.txt	Not Responsive	
127	w:\relevance003\text\vol007\0098\sta00802477.txt	Responsive	
128	w:\relevance003\text\vol002\0015\sta00058659.txt	Responsive	
129	w:\relevance003\text\vol007\0024\sta00639829.txt	Not Responsive	
130	w:\relevance003\text\vol006\0025\sta00180778.txt	Responsive	
131	w:\relevance003\text\vol003\0010\sta00073211.txt	Not Responsive	
132	w:\relevance003\text\vol007\0127\sta00821098.txt	Not Responsive	
133	w:\relevance003\text\vol001\0037\sta00036533.txt	Responsive	
134	w:\relevance003\text\vol002\0013\sta00057050.txt	Responsive	
135	w:\relevance003\text\vol007\0185\sta00892571.txt	Not Responsive	

136	w:\relevance003\text\vol007\0069\sta00823443.txt	Not Responsive	
137	w:\relevance003\text\vol007\0001\rocp0704213.txt	Not Responsive	
138	w:\relevance003\text\vol007\0028\sta00665504.txt	Not Responsive	
139	w:\relevance003\text\vol007\0037\sta00756576.txt	Not Responsive	
140	w:\relevance003\text\vol007\0154\sta00921421.txt	Not Responsive	
141	w:\relevance003\text\vol001\0030\sta00021441.txt	Responsive	
142	w:\relevance003\text\vol007\0046\sta00747259.txt	Not Responsive	
143	w:\relevance003\text\vol007\0168\sta00864828.txt	Not Responsive	
144	w:\relevance003\text\vol008\0015\rocp1326734.txt	Responsive	
145	w:\relevance003\text\vol007\0155\sta00861565.txt	Responsive	
146	w:\relevance003\text\vol007\0092\sta00833022.txt	Not Responsive	
147	w:\relevance003\text\vol003\0016\sta00079561.txt	Not Responsive	
148	w:\relevance003\text\vol007\0113\sta00849002.txt	Skip	
149	w:\relevance003\text\vol004\0009\sta00128137.txt	Not Responsive	
150	w:\relevance003\text\vol001\0017\sta00008370.txt	Responsive	
151	w:\relevance003\text\vol006\0047\rocp0429281.txt	Responsive	
152	w:\relevance003\text\vol007\0184\sta00891709.txt	Not Responsive	
153	w:\relevance003\text\vol008\0008\rocp1244265.txt	Responsive	
154	w:\relevance003\text\vol007\0002\rocp0743586.txt	Responsive	
155	w:\relevance003\text\vol007\0159\sta00877549.txt	Not Responsive	
156	w:\relevance003\text\vol005\0001\sta00151344.txt	Not Responsive	
157	w:\relevance003\text\vol001\0004\sta00026047.txt	Responsive	
158	w:\relevance003\text\vol007\0134\sta00868744.txt	Not Responsive	
159	w:\relevance003\text\vol008\0020\rocp1390075.txt	Responsive	
160	w:\relevance003\text\vol006\0015\sta00171779.txt	Not Responsive	
161	w:\relevance003\text\vol006\0007\sta00164616.txt	Not Responsive	
162	w:\relevance003\text\vol006\0020\sta00175824.txt	Not Responsive	
163	w:\relevance003\text\vol001\0042\sta00041034.txt	Not Responsive	
164	w:\relevance003\text\vol004\0011\sta00129628.txt	Not Responsive	
165	w:\relevance003\text\vol007\0152\sta00875009.txt	Not Responsive	
166	w:\relevance003\text\vol004\0015\sta00133242.txt	Not Responsive	
167	w:\relevance003\text\vol007\0031\sta00666936.txt	Skip	
168	w:\relevance003\text\vol004\0013\sta00131506.txt	Skip	
169	w:\relevance003\text\vol006\0033\rocp0033202.txt	Responsive	

170	w:\relevance003\text\vol008\0007\rocp1239557.txt	Responsive	
171	w:\relevance003\text\vol006\0004\sta00161183.txt	Not Responsive	
172	w:\relevance003\text\vol007\0099\sta00842840.txt	Not Responsive	
173	w:\relevance003\text\vol007\0009\rocp0835749.txt	Responsive	
174	w:\relevance003\text\vol007\0024\sta00639910.txt	Not Responsive	
175	w:\relevance003\text\vol001\0039\sta00037757.txt	Responsive	
176	w:\relevance003\text\vol004\0006\sta00124214.txt	Responsive	
177	w:\relevance003\text\vol006\0032\rocp0023232.txt	Not Responsive	
178	w:\relevance003\text\vol007\0018\rocp1043979.txt	Responsive	
179	w:\relevance003\text\vol007\0131\sta00854637.txt	Not Responsive	
180	w:\relevance003\text\vol006\0030\rocp0000617.txt	Responsive	
181	w:\relevance003\text\vol006\0010\sta00166859.txt	Not Responsive	
182	w:\relevance003\text\vol007\0036\sta00743725.txt	Not Responsive	
183	w:\relevance003\text\vol007\0178\sta00885146.txt	Not Responsive	
184	w:\relevance003\text\vol007\0010\rocp0862534.txt	Not Responsive	
185	w:\relevance003\text\vol007\0070\sta00823961.txt	Not Responsive	
186	w:\relevance003\text\vol008\0004\rocp1219724.txt	Not Responsive	
187	w:\relevance003\text\vol001\0003\sta00024984.txt	Responsive	
188	w:\relevance003\text\vol007\0028\sta00665833.txt	Not Responsive	
189	w:\relevance003\text\vol001\0007\sta00028979.txt	Responsive	
190	w:\relevance003\text\vol007\0107\sta00846250.txt	Not Responsive	
191	w:\relevance003\text\vol007\0051\sta00749883.txt	Not Responsive	
192	w:\relevance003\text\vol008\0016\rocp1334946.txt	Responsive	
193	w:\relevance003\text\vol007\0093\sta00833871.txt	Not Responsive	
194	w:\relevance003\text\vol003\0007\sta00070543.txt	Not Responsive	
195	w:\relevance003\text\vol007\0050\sta00764429.txt	Not Responsive	
196	w:\relevance003\text\vol005\0001\sta00151033.txt	Responsive	
197	w:\relevance003\text\vol007\0042\sta00758028.txt	Not Responsive	
198	w:\relevance003\text\vol007\0005\rocp0786154.txt	Responsive	
199	w:\relevance003\text\vol007\0086\sta00838029.txt	Not Responsive	
200	w:\relevance003\text\vol007\0033\sta00754414.txt	Not Responsive	
201	w:\relevance003\text\vol008\0018\rocp1342923.txt	Responsive	
202	w:\relevance003\text\vol007\0193\sta00900355.txt	Not Responsive	
203	w:\relevance003\text\vol003\0026\sta00089252.txt	Responsive	

204	w:\relevance003\text\vol007\0106\sta00845439.txt	Not Responsive	
205	w:\relevance003\text\vol007\0213\rocp1196918.txt	Responsive	
206	w:\relevance003\text\vol007\0070\sta00792478.txt	Responsive	
207	w:\relevance003\text\vol003\0048\sta00115734.txt	Responsive	
208	w:\relevance003\text\vol008\0016\rocp1335657.txt	Responsive	
209	w:\relevance003\text\vol007\0138\sta00915453.txt	Not Responsive	
210	w:\relevance003\text\vol007\0101\sta00844001.txt	Not Responsive	
211	w:\relevance003\text\vol006\0030\rocp0017246.txt	Responsive	
212	w:\relevance003\text\vol007\0009\rocp0850374.txt	Not Responsive	
213	w:\relevance003\text\vol007\0031\sta00741100.txt	Not Responsive	
214	w:\relevance003\text\vol003\0051\sta00103434.txt	Not Responsive	
215	w:\relevance003\text\vol007\0004\rocp0768684.txt	Responsive	
216	w:\relevance003\text\vol006\0020\sta00175308.txt	Not Responsive	
217	w:\relevance003\text\vol007\0001\rocp0715583.txt	Responsive	
218	w:\relevance003\text\vol004\0032\sta00150702.txt	Skip	
219	w:\relevance003\text\vol007\0194\sta00901810.txt	Not Responsive	
220	w:\relevance003\text\vol007\0203\sta00910578.txt	Not Responsive	
221	w:\relevance003\text\vol004\0017\sta00135961.txt	Skip	
222	w:\relevance003\text\vol007\0155\sta00861579.txt	Responsive	
223	w:\relevance003\text\vol003\0031\sta00093574.txt	Responsive	
224	w:\relevance003\text\vol008\0016\rocp1327672.txt	Responsive	
225	w:\relevance003\text\vol007\0108\sta00847121.txt	Not Responsive	
226	w:\relevance003\text\vol007\0175\sta00928610.txt	Not Responsive	
227	w:\relevance003\text\vol007\0178\sta00884915.txt	Not Responsive	
228	w:\relevance003\text\vol007\0016\rocp0931061.txt	Not Responsive	
229	w:\relevance003\text\vol007\0136\sta00868752.txt	Not Responsive	
230	w:\relevance003\text\vol006\0030\rocp0014798.txt	Responsive	
231	w:\relevance003\text\vol007\0198\sta00905205.txt	Not Responsive	
232	w:\relevance003\text\vol001\0024\sta00015778.txt	Not Responsive	
233	w:\relevance003\text\vol007\0101\sta00844085.txt	Not Responsive	
234	w:\relevance003\text\vol002\0018\sta00061853.txt	Responsive	
235	w:\relevance003\text\vol007\0047\sta00763234.txt	Not Responsive	
236	w:\relevance003\text\vol002\0015\sta00058825.txt	Skip	
237	w:\relevance003\text\vol001\0020\sta00011997.txt	Responsive	

238	w:\relevance003\text\vol006\0031\sta00318250.txt	Not Responsive	
239	w:\relevance003\text\vol007\0190\sta00897158.txt	Not Responsive	
240	w:\relevance003\text\vol008\0019\rocp1364740.txt	Not Responsive	
241	w:\relevance003\text\vol003\0026\sta00089614.txt	Not Responsive	
242	w:\relevance003\text\vol002\0017\sta00060966.txt	Responsive	
243	w:\relevance003\text\vol007\0155\sta00876061.txt	Not Responsive	
244	w:\relevance003\text\vol006\0026\sta00181473.txt	Not Responsive	
245	w:\relevance003\text\vol004\0020\sta00138429.txt	Responsive	
246	w:\relevance003\text\vol006\0008\sta00165161.txt	Not Responsive	
247	w:\relevance003\text\vol006\0037\rocp0067603.txt	Not Responsive	
248	w:\relevance003\text\vol004\0003\sta00121715.txt	Not Responsive	
249	w:\relevance003\text\vol004\0010\sta00128382.txt	Not Responsive	
250	w:\relevance003\text\vol002\0014\sta00058030.txt	Not Responsive	
251	w:\relevance003\text\vol007\0023\rocp1131627.txt	Responsive	
252	w:\relevance003\text\vol007\0099\sta00842611.txt	Not Responsive	
253	w:\relevance003\text\vol007\0039\sta00759670.txt	Not Responsive	
254	w:\relevance003\text\vol002\0020\sta00063369.txt	Responsive	
255	w:\relevance003\text\vol004\0011\sta00129272.txt	Skip	
256	w:\relevance003\text\vol007\0192\sta00899384.txt	Not Responsive	
257	w:\relevance003\text\vol003\0022\sta00086094.txt	Not Responsive	
258	w:\relevance003\text\vol007\0066\sta00789206.txt	Responsive	
259	w:\relevance003\text\vol003\0002\sta00064934.txt	Not Responsive	
260	w:\relevance003\text\vol003\0034\sta00108818.txt	Not Responsive	
261	w:\relevance003\text\vol003\0033\sta00094783.txt	Responsive	
262	w:\relevance003\text\vol003\0052\sta00104395.txt	Not Responsive	
263	w:\relevance003\text\vol007\0031\sta00666969.txt	Responsive	
264	w:\relevance003\text\vol007\0013\rocp0919395.txt	Responsive	
265	w:\relevance003\text\vol007\0198\sta00905153.txt	Not Responsive	
266	w:\relevance003\text\vol007\0082\sta00829926.txt	Not Responsive	
267	w:\relevance003\text\vol007\0103\sta00805093.txt	Not Responsive	
268	w:\relevance003\text\vol001\0041\sta00039783.txt	Responsive	
269	w:\relevance003\text\vol001\0008\sta00030238.txt	Responsive	
270	w:\relevance003\text\vol003\0012\sta00075520.txt	Responsive	
271	w:\relevance003\text\vol007\0144\sta00858572.txt	Skip	

272	w:\relevance003\text\vol003\0034\sta00109238.txt	Responsive	
273	w:\relevance003\text\vol007\0045\sta00761725.txt	Not Responsive	
274	w:\relevance003\text\vol004\0031\sta00149909.txt	Responsive	
275	w:\relevance003\text\vol008\0006\rocp1230533.txt	Responsive	
276	w:\relevance003\text\vol003\0029\sta00091986.txt	Responsive	
277	w:\relevance003\text\vol003\0056\sta00106396.txt	Not Responsive	
278	w:\relevance003\text\vol006\0033\rocp0030564.txt	Responsive	
279	w:\relevance003\text\vol004\0007\sta00125477.txt	Responsive	
280	w:\relevance003\text\vol007\0139\sta00869994.txt	Not Responsive	
281	w:\relevance003\text\vol008\0018\rocp1341816.txt	Responsive	
282	w:\relevance003\text\vol004\0003\sta00121191.txt	Not Responsive	
283	w:\relevance003\text\vol007\0034\sta00742658.txt	Not Responsive	
284	w:\relevance003\text\vol002\0002\sta00045959.txt	Responsive	
285	w:\relevance003\text\vol007\0024\sta00639192.txt	Responsive	
286	w:\relevance003\text\vol002\0016\sta00059781.txt	Responsive	
287	w:\relevance003\text\vol007\0061\sta00770941.txt	Not Responsive	
288	w:\relevance003\text\vol003\0009\sta00072842.txt	Responsive	
289	w:\relevance003\text\vol007\0174\sta00928221.txt	Not Responsive	
290	w:\relevance003\text\vol001\0019\sta00010695.txt	Not Responsive	
291	w:\relevance003\text\vol001\0015\sta00007027.txt	Responsive	
292	w:\relevance003\text\vol008\0017\rocp1351465.txt	Not Responsive	
293	w:\relevance003\text\vol006\0015\sta00172126.txt	Not Responsive	
294	w:\relevance003\text\vol007\0062\sta00771498.txt	Not Responsive	
295	w:\relevance003\text\vol001\0033\sta00031620.txt	Responsive	
296	w:\relevance003\text\vol001\0005\sta00027422.txt	Responsive	
297	w:\relevance003\text\vol003\0020\sta00084396.txt	Skip	
298	w:\relevance003\text\vol007\0089\sta00838734.txt	Not Responsive	
299	w:\relevance003\text\vol003\0017\sta00082863.txt	Responsive	
300	w:\relevance003\text\vol007\0166\sta00879364.txt	Not Responsive	
301	w:\relevance003\text\vol007\0214\rocp1201898.txt	Responsive	
302	w:\relevance003\text\vol003\0049\sta00102461.txt	Not Responsive	
303	w:\relevance003\text\vol007\0073\sta00825462.txt	Not Responsive	
304	w:\relevance003\text\vol007\0071\sta00824422.txt	Not Responsive	
305	w:\relevance003\text\vol001\0036\sta00034787.txt	Not Responsive	

306	w:\relevance003\text\vol007\0197\sta00903991.txt	Not Responsive	
307	w:\relevance003\text\vol007\0034\sta00755195.txt	Skip	
308	w:\relevance003\text\vol007\0156\sta00876518.txt	Not Responsive	
309	w:\relevance003\text\vol007\0071\sta00824250.txt	Not Responsive	
310	w:\relevance003\text\vol005\0002\sta00151985.txt	Responsive	
311	w:\relevance003\text\vol007\0016\rocp0930984.txt	Not Responsive	
312	w:\relevance003\text\vol007\0017\rocp1041529.txt	Responsive	
313	w:\relevance003\text\vol007\0054\sta00767203.txt	Not Responsive	
314	w:\relevance003\text\vol003\0055\sta00106145.txt	Responsive	
315	w:\relevance003\text\vol007\0192\sta00899035.txt	Not Responsive	
316	w:\relevance003\text\vol007\0181\sta00887878.txt	Not Responsive	
317	w:\relevance003\text\vol006\0027\sta00182568.txt	Not Responsive	
318	w:\relevance003\text\vol007\0029\sta00666364.txt	Responsive	
319	w:\relevance003\text\vol007\0161\sta00863149.txt	Not Responsive	
320	w:\relevance003\text\vol006\0012\sta00169309.txt	Not Responsive	
321	w:\relevance003\text\vol007\0074\sta00794401.txt	Not Responsive	
322	w:\relevance003\text\vol007\0191\sta00897925.txt	Not Responsive	
323	w:\relevance003\text\vol006\0040\rocp0113358.txt	Responsive	
324	w:\relevance003\text\vol003\0044\sta00114159.txt	Responsive	
325	w:\relevance003\text\vol005\0007\sta00156979.txt	Responsive	PRIV-RED
326	w:\relevance003\text\vol007\0048\sta00748510.txt	Not Responsive	
327	w:\relevance003\text\vol003\0034\sta00095151.txt	Responsive	
328	w:\relevance003\text\vol007\0125\sta00819382.txt	Not Responsive	
329	w:\relevance003\text\vol006\0041\rocp0173866.txt	Not Responsive	
330	w:\relevance003\text\vol007\0150\sta00860158.txt	Not Responsive	
331	w:\relevance003\text\vol003\0017\sta00079886.txt	Skip	
332	w:\relevance003\text\vol007\0171\sta00927626.txt	Not Responsive	
333	w:\relevance003\text\vol007\0160\sta00923661.txt	Not Responsive	
334	w:\relevance003\text\vol003\0030\sta00092759.txt	Not Responsive	
335	w:\relevance003\text\vol007\0089\sta00838969.txt	Not Responsive	
336	w:\relevance003\text\vol001\0003\sta00025395.txt	Responsive	
337	w:\relevance003\text\vol001\0021\sta00012419.txt	Responsive	
338	w:\relevance003\text\vol008\0008\rocp1241745.txt	Responsive	
339	w:\relevance003\text\vol007\0049\sta00748648.txt	Not Responsive	

340	w:\relevance003\text\vol008\0003\rocp1217773.txt	Responsive	
341	w:\relevance003\text\vol001\0020\sta00012053.txt	Responsive	
342	w:\relevance003\text\vol007\0094\sta00800584.txt	Responsive	
343	w:\relevance003\text\vol002\0016\sta00059659.txt	Responsive	
344	w:\relevance003\text\vol003\0051\sta00104067.txt	Not Responsive	
345	w:\relevance003\text\vol006\0017\sta00185788.txt	Not Responsive	
346	w:\relevance003\text\vol006\0046\rocp0299155.txt	Not Responsive	
347	w:\relevance003\text\vol003\0002\sta00065248.txt	Responsive	
348	w:\relevance003\text\vol004\0004\sta00122400.txt	Responsive	
349	w:\relevance003\text\vol007\0120\sta00814084.txt	Not Responsive	
350	w:\relevance003\text\vol007\0170\sta00927016.txt	Not Responsive	
351	w:\relevance003\text\vol007\0187\sta00894179.txt	Not Responsive	
352	w:\relevance003\text\vol007\0138\sta00915616.txt	Not Responsive	
353	w:\relevance003\text\vol007\0173\sta00882967.txt	Not Responsive	
354	w:\relevance003\text\vol004\0028\sta00146666.txt	Skip	
355	w:\relevance003\text\vol007\0032\sta00754336.txt	Not Responsive	
356	w:\relevance003\text\vol007\0124\sta00817993.txt	Not Responsive	
357	w:\relevance003\text\vol007\0208\rocp1164864.txt	Not Responsive	
358	w:\relevance003\text\vol006\0024\sta00179697.txt	Responsive	
359	w:\relevance003\text\vol007\0182\sta00889195.txt	Not Responsive	
360	w:\relevance003\text\vol007\0181\sta00888592.txt	Not Responsive	
361	w:\relevance003\text\vol001\0001\grejep0001799.txt	Not Responsive	
362	w:\relevance003\text\vol004\0016\sta00134363.txt	Not Responsive	
363	w:\relevance003\text\vol004\0001\sta00106796.txt	Not Responsive	
364	w:\relevance003\text\vol007\0003\rocp0750593.txt	Not Responsive	
365	w:\relevance003\text\vol007\0086\sta00837704.txt	Not Responsive	
366	w:\relevance003\text\vol006\0014\sta00171498.txt	Not Responsive	
367	w:\relevance003\text\vol006\0009\sta00165952.txt	Not Responsive	
368	w:\relevance003\text\vol007\0083\sta00796878.txt	Not Responsive	
369	w:\relevance003\text\vol004\0017\sta00135870.txt	Responsive	
370	w:\relevance003\text\vol001\0007\sta00028819.txt	Responsive	
371	w:\relevance003\text\vol007\0182\sta00889666.txt	Not Responsive	
372	w:\relevance003\text\vol007\0034\sta00755166.txt	Not Responsive	
373	w:\relevance003\text\vol007\0073\sta00825731.txt	Not Responsive	

374	w:\relevance003\text\vol007\0145\sta00918235.txt	Not Responsive	
375	w:\relevance003\text\vol006\0044\rocp0240974.txt	Responsive	
376	w:\relevance003\text\vol005\0005\sta00155517.txt	Not Responsive	
377	w:\relevance003\text\vol003\0050\sta00116666.txt	Responsive	PRIV-WH
378	w:\relevance003\text\vol003\0054\sta00105147.txt	Responsive	
379	w:\relevance003\text\vol004\0031\sta00150129.txt	Responsive	
380	w:\relevance003\text\vol007\0027\sta00664528.txt	Not Responsive	
381	w:\relevance003\text\vol007\0201\sta00908209.txt	Not Responsive	
382	w:\relevance003\text\vol004\0016\sta00134753.txt	Not Responsive	
383	w:\relevance003\text\vol006\0029\sta00184548.txt	Skip	
384	w:\relevance003\text\vol007\0117\sta00850714.txt	Not Responsive	
385	w:\relevance003\text\vol007\0076\sta00827634.txt	Not Responsive	
386	w:\relevance003\text\vol007\0009\rocp0835357.txt	Responsive	
387	w:\relevance003\text\vol007\0073\sta00793910.txt	Not Responsive	
388	w:\relevance003\text\vol001\0039\sta00038135.txt	Responsive	
389	w:\relevance003\text\vol006\0035\rocp0053943.txt	Responsive	
390	w:\relevance003\text\vol001\0034\sta00032596.txt	Responsive	
391	w:\relevance003\text\vol002\0020\sta00063112.txt	Responsive	
392	w:\relevance003\text\vol001\0029\sta00020548.txt	Skip	
393	w:\relevance003\text\vol007\0021\sparo-shistp0009670.txt	Responsive	
394	w:\relevance003\text\vol004\0008\sta00126539.txt	Responsive	
395	w:\relevance003\text\vol007\0102\sta00804032.txt	Not Responsive	
396	w:\relevance003\text\vol007\0185\sta00891883.txt	Not Responsive	
397	w:\relevance003\text\vol007\0087\sta00831107.txt	Not Responsive	
398	w:\relevance003\text\vol003\0055\sta00119528.txt	Responsive	
399	w:\relevance003\text\vol007\0186\sta00893693.txt	Not Responsive	
400	w:\relevance003\text\vol004\0019\sta00137786.txt	Responsive	
401	w:\relevance003\text\vol008\0008\rocp1243767.txt	Responsive	
402	w:\relevance003\text\vol007\0013\rocp0918889.txt	Not Responsive	
403	w:\relevance003\text\vol007\0021\sparo-shistp0008970.txt	Responsive	
404	w:\relevance003\text\vol002\0016\sta00059171.txt	Responsive	
405	w:\relevance003\text\vol001\0003\sta00025532.txt	Responsive	
406	w:\relevance003\text\vol003\0023\sta00086775.txt	Not Responsive	
407	w:\relevance003\text\vol006\0008\sta00164912.txt	Not Responsive	

408	w:\relevance003\text\vol006\0025\sta00181227.txt	Not Responsive	
409	w:\relevance003\text\vol006\0030\rocp0014238.txt	Responsive	
410	w:\relevance003\text\vol007\0174\sta00883616.txt	Responsive	
411	w:\relevance003\text\vol007\0045\sta00761749.txt	Not Responsive	
412	w:\relevance003\text\vol007\0157\sta00861971.txt	Not Responsive	
413	w:\relevance003\text\vol006\0026\sta00181956.txt	Not Responsive	
414	w:\relevance003\text\vol007\0204\sta00910947.txt	Not Responsive	
415	w:\relevance003\text\vol005\0004\sta00154416.txt	Not Responsive	
416	w:\relevance003\text\vol001\0042\sta00041425.txt	Responsive	
417	w:\relevance003\text\vol007\0032\sta00741657.txt	Not Responsive	
418	w:\relevance003\text\vol008\0014\rocp1314813.txt	Not Responsive	
419	w:\relevance003\text\vol007\0123\sta00816595.txt	Not Responsive	
420	w:\relevance003\text\vol007\0004\rocp0768390.txt	Responsive	
421	w:\relevance003\text\vol001\0030\sta00022095.txt	Responsive	
422	w:\relevance003\text\vol007\0027\sta00664555.txt	Not Responsive	
423	w:\relevance003\text\vol006\0041\rocp0172070.txt	Responsive	
424	w:\relevance003\text\vol006\0031\sta00349378.txt	Responsive	
425	w:\relevance003\text\vol007\0037\sta00744124.txt	Responsive	
426	w:\relevance003\text\vol007\0017\rocp1039917.txt	Responsive	
427	w:\relevance003\text\vol005\0003\sta00153067.txt	Responsive	
428	w:\relevance003\text\vol008\0022\rocp1422325.txt	Responsive	
429	w:\relevance003\text\vol007\0136\sta00868812.txt	Responsive	
430	w:\relevance003\text\vol007\0019\rocp0966037.txt	Responsive	
431	w:\relevance003\text\vol007\0151\sta00919804.txt	Responsive	
432	w:\relevance003\text\vol006\0046\rocp0294427.txt	Skip	
433	w:\relevance003\text\vol003\0053\sta00104947.txt	Responsive	
434	w:\relevance003\text\vol001\0025\sta00017120.txt	Responsive	
435	w:\relevance003\text\vol003\0050\sta00103317.txt	Not Responsive	
436	w:\relevance003\text\vol006\0003\sta00160200.txt	Not Responsive	
437	w:\relevance003\text\vol007\0089\sta00838910.txt	Not Responsive	
438	w:\relevance003\text\vol008\0001\sta00954206.txt	Responsive	
439	w:\relevance003\text\vol006\0008\sta00165074.txt	Responsive	
440	w:\relevance003\text\vol002\0007\sta00050102.txt	Responsive	
441	w:\relevance003\text\vol007\0109\sta00808666.txt	Not Responsive	

442	w:\relevance003\text\vol006\0043\rocp0201460.txt	Responsive	
443	w:\relevance003\text\vol007\0204\sta00911489.txt	Not Responsive	
444	w:\relevance003\text\vol007\0165\sta00878834.txt	Not Responsive	
445	w:\relevance003\text\vol007\0131\sta00854148.txt	Not Responsive	
446	w:\relevance003\text\vol001\0004\sta00026111.txt	Responsive	
447	w:\relevance003\text\vol008\0007\rocp1240669.txt	Responsive	
448	w:\relevance003\text\vol007\0021\sparo-shistp0010256.txt	Responsive	
449	w:\relevance003\text\vol001\0029\sta00020907.txt	Skip	
450	w:\relevance003\text\vol007\0179\sta00886320.txt	Not Responsive	
451	w:\relevance003\text\vol005\0004\sta00153944.txt	Not Responsive	
452	w:\relevance003\text\vol007\0211\rocp1180903.txt	Responsive	
453	w:\relevance003\text\vol007\0058\sta00768993.txt	Not Responsive	
454	w:\relevance003\text\vol007\0179\sta00886740.txt	Not Responsive	
455	w:\relevance003\text\vol005\0001\sta00151021.txt	Responsive	
456	w:\relevance003\text\vol006\0020\sta00175943.txt	Responsive	
457	w:\relevance003\text\vol007\0061\sta00770903.txt	Not Responsive	
458	w:\relevance003\text\vol007\0211\rocp1182719.txt	Responsive	
459	w:\relevance003\text\vol006\0048\rocp0511269.txt	Responsive	
460	w:\relevance003\text\vol007\0121\sta00852436.txt	Not Responsive	
461	w:\relevance003\text\vol001\0043\sta00042129.txt	Responsive	
462	w:\relevance003\text\vol006\0041\rocp0174290.txt	Responsive	
463	w:\relevance003\text\vol007\0108\sta00846987.txt	Not Responsive	
464	w:\relevance003\text\vol007\0207\rocp1149507.txt	Not Responsive	
465	w:\relevance003\text\vol003\0047\sta00101629.txt	Responsive	
466	w:\relevance003\text\vol007\0102\sta00804059.txt	Not Responsive	
467	w:\relevance003\text\vol007\0060\sta00770246.txt	Not Responsive	
468	w:\relevance003\text\vol007\0169\sta00881028.txt	Not Responsive	
469	w:\relevance003\text\vol001\0006\sta00028454.txt	Not Responsive	
470	w:\relevance003\text\vol007\0189\sta00896553.txt	Responsive	
471	w:\relevance003\text\vol001\0010\sta00001366.txt	Not Responsive	
472	w:\relevance003\text\vol008\0002\sta00955911.txt	Responsive	
473	w:\relevance003\text\vol006\0049\rocp0645144.txt	Responsive	
474	w:\relevance003\text\vol001\0028\sta00019744.txt	Responsive	
475	w:\relevance003\text\vol001\0025\sta00016878.txt	Responsive	

476	w:\relevance003\text\vol003\0043\sta00099662.txt	Not Responsive	
477	w:\relevance003\text\vol001\0041\sta00040249.txt	Responsive	
478	w:\relevance003\text\vol003\0029\sta00092266.txt	Responsive	
479	w:\relevance003\text\vol007\0101\sta00843868.txt	Not Responsive	
480	w:\relevance003\text\vol004\0008\sta00126409.txt	Skip	
481	w:\relevance003\text\vol007\0207\rocp1172548.txt	Not Responsive	
482	w:\relevance003\text\vol003\0017\sta00080157.txt	Not Responsive	
483	w:\relevance003\text\vol007\0056\sta00767986.txt	Not Responsive	
484	w:\relevance003\text\vol007\0082\sta00829268.txt	Not Responsive	
485	w:\relevance003\text\vol001\0004\sta00026256.txt	Responsive	
486	w:\relevance003\text\vol006\0016\sta00173087.txt	Not Responsive	
487	w:\relevance003\text\vol005\0002\sta00152232.txt	Responsive	
488	w:\relevance003\text\vol007\0078\sta00795819.txt	Not Responsive	
489	w:\relevance003\text\vol006\0023\sta00179187.txt	Not Responsive	
490	w:\relevance003\text\vol001\0034\sta00032777.txt	Responsive	
491	w:\relevance003\text\vol007\0063\sta00772507.txt	Not Responsive	
492	w:\relevance003\text\vol001\0020\sta00012045.txt	Responsive	
493	w:\relevance003\text\vol006\0047\rocp0472373.txt	Responsive	
494	w:\relevance003\text\vol006\0040\rocp0170299.txt	Not Responsive	
495	w:\relevance003\text\vol001\0005\sta00026719.txt	Responsive	
496	w:\relevance003\text\vol007\0128\sta00822410.txt	Not Responsive	
497	w:\relevance003\text\vol007\0034\sta00742715.txt	Not Responsive	
498	w:\relevance003\text\vol007\0203\sta00910217.txt	Not Responsive	
499	w:\relevance003\text\vol004\0015\sta00133809.txt	Not Responsive	
500	w:\relevance003\text\vol007\0092\sta00833024.txt	Not Responsive	
501	w:\relevance003\text\vol005\0004\sta00153990.txt	Not Responsive	
502	w:\relevance003\text\vol007\0037\sta00743966.txt	Not Responsive	
503	w:\relevance003\text\vol003\0042\sta00099313.txt	Not Responsive	
504	w:\relevance003\text\vol008\0021\rocp1402800.txt	Not Responsive	
505	w:\relevance003\text\vol001\0018\sta00010222.txt	Responsive	
506	w:\relevance003\text\vol006\0012\sta00169148.txt	Not Responsive	
507	w:\relevance003\text\vol005\0005\sta00155700.txt	Responsive	
508	w:\relevance003\text\vol001\0018\sta00009975.txt	Responsive	
509	w:\relevance003\text\vol004\0024\sta00142699.txt	Responsive	

510	w:\relevance003\text\vol007\0100\sta00803417.txt	Not Responsive	
511	w:\relevance003\text\vol007\0204\sta00910996.txt	Not Responsive	
512	w:\relevance003\text\vol004\0030\sta00149096.txt	Skip	
513	w:\relevance003\text\vol001\0040\sta00038830.txt	Responsive	
514	w:\relevance003\text\vol007\0184\sta00891042.txt	Not Responsive	
515	w:\relevance003\text\vol007\0063\sta00772511.txt	Not Responsive	
516	w:\relevance003\text\vol007\0148\sta00919145.txt	Not Responsive	
517	w:\relevance003\text\vol007\0172\sta00882615.txt	Not Responsive	
518	w:\relevance003\text\vol007\0126\sta00819563.txt	Not Responsive	
519	w:\relevance003\text\vol006\0032\rocp0022982.txt	Responsive	
520	w:\relevance003\text\vol003\0052\sta00117988.txt	Not Responsive	
521	w:\relevance003\text\vol007\0136\sta00869194.txt	Not Responsive	
522	w:\relevance003\text\vol006\0037\rocp0064507.txt	Responsive	
523	w:\relevance003\text\vol007\0058\sta00752740.txt	Not Responsive	
524	w:\relevance003\text\vol007\0157\sta00862089.txt	Not Responsive	
525	w:\relevance003\text\vol007\0163\sta00863755.txt	Skip	
526	w:\relevance003\text\vol006\0050\rocp0676099.txt	Responsive	
527	w:\relevance003\text\vol007\0050\sta00749511.txt	Not Responsive	
528	w:\relevance003\text\vol006\0016\sta00172744.txt	Not Responsive	
529	w:\relevance003\text\vol001\0008\sta00000213.txt	Responsive	
530	w:\relevance003\text\vol004\0005\sta00123540.txt	Not Responsive	
531	w:\relevance003\text\vol002\0018\sta00061255.txt	Not Responsive	
532	w:\relevance003\text\vol007\0024\sta00639264.txt	Not Responsive	
533	w:\relevance003\text\vol007\0064\sta00787736.txt	Not Responsive	
534	w:\relevance003\text\vol007\0064\sta00787393.txt	Not Responsive	
535	w:\relevance003\text\vol004\0004\sta00122512.txt	Responsive	
536	w:\relevance003\text\vol007\0021\rocp1061342.txt	Not Responsive	
537	w:\relevance003\text\vol007\0005\rocp0781094.txt	Not Responsive	
538	w:\relevance003\text\vol004\0025\sta00143181.txt	Responsive	
539	w:\relevance003\text\vol006\0013\sta00169916.txt	Not Responsive	
540	w:\relevance003\text\vol007\0095\sta00840419.txt	Not Responsive	
541	w:\relevance003\text\vol003\0043\sta00099770.txt	Not Responsive	
542	w:\relevance003\text\vol001\0035\sta00034081.txt	Responsive	
543	w:\relevance003\text\vol006\0001\sta00158541.txt	Not Responsive	

544	w:\relevance003\text\vol007\0174\sta00883664.txt	Not Responsive	
545	w:\relevance003\text\vol001\0009\sta00000629.txt	Not Responsive	
546	w:\relevance003\text\vol003\0027\sta00090840.txt	Responsive	
547	w:\relevance003\text\vol007\0111\sta00809587.txt	Not Responsive	
548	w:\relevance003\text\vol001\0020\sta00012341.txt	Responsive	
549	w:\relevance003\text\vol007\0004\rocp0766854.txt	Responsive	
550	w:\relevance003\text\vol007\0056\sta00768349.txt	Not Responsive	
551	w:\relevance003\text\vol008\0021\rocp1399136.txt	Responsive	
552	w:\relevance003\text\vol008\0007\rocp1238069.txt	Responsive	
553	w:\relevance003\text\vol003\0007\sta00070415.txt	Not Responsive	
554	w:\relevance003\text\vol003\0023\sta00086870.txt	Not Responsive	
555	w:\relevance003\text\vol006\0015\sta00171887.txt	Not Responsive	
556	w:\relevance003\text\vol002\0005\sta00048939.txt	Not Responsive	
557	w:\relevance003\text\vol003\0017\sta00082949.txt	Responsive	
558	w:\relevance003\text\vol007\0191\sta00898442.txt	Not Responsive	
559	w:\relevance003\text\vol006\0038\rocp0074503.txt	Responsive	
560	w:\relevance003\text\vol002\0001\sta00044304.txt	Not Responsive	
561	w:\relevance003\text\vol007\0051\sta00764790.txt	Responsive	
562	w:\relevance003\text\vol007\0092\sta00839623.txt	Not Responsive	
563	w:\relevance003\text\vol007\0181\sta00888409.txt	Not Responsive	
564	w:\relevance003\text\vol007\0192\sta00899152.txt	Not Responsive	
565	w:\relevance003\text\vol007\0015\rocp1032301.txt	Responsive	
566	w:\relevance003\text\vol003\0047\sta00101443.txt	Skip	
567	w:\relevance003\text\vol003\0006\sta00069226.txt	Skip	
568	w:\relevance003\text\vol007\0072\sta00793721.txt	Not Responsive	
569	w:\relevance003\text\vol007\0088\sta00831790.txt	Not Responsive	
570	w:\relevance003\text\vol006\0014\sta00171091.txt	Not Responsive	
571	w:\relevance003\text\vol007\0118\sta00813638.txt	Not Responsive	
572	w:\relevance003\text\vol003\0041\sta00098566.txt	Not Responsive	
573	w:\relevance003\text\vol006\0029\sta00185013.txt	Not Responsive	
574	w:\relevance003\text\vol007\0064\sta00787789.txt	Not Responsive	
575	w:\relevance003\text\vol007\0214\rocp1204365.txt	Responsive	
576	w:\relevance003\text\vol004\0004\sta00122314.txt	Responsive	
577	w:\relevance003\text\vol007\0102\sta00804645.txt	Not Responsive	

578	w:\relevance003\text\vol006\0035\rocp0049122.txt	Responsive	
579	w:\relevance003\text\vol007\0148\sta00873639.txt	Not Responsive	
580	w:\relevance003\text\vol008\0004\rocp1221246.txt	Not Responsive	
581	w:\relevance003\text\vol007\0022\rocp1098182.txt	Skip	
582	w:\relevance003\text\vol007\0147\sta00873016.txt	Skip	
583	w:\relevance003\text\vol001\0040\sta00039179.txt	Not Responsive	
584	w:\relevance003\text\vol002\0016\sta00059596.txt	Responsive	
585	w:\relevance003\text\vol008\0012\rocp1264977.txt	Responsive	
586	w:\relevance003\text\vol008\0007\rocp1237846.txt	Responsive	
587	w:\relevance003\text\vol007\0059\sta00769390.txt	Not Responsive	
588	w:\relevance003\text\vol004\0015\sta00133416.txt	Skip	
589	w:\relevance003\text\vol007\0183\sta00889920.txt	Not Responsive	
590	w:\relevance003\text\vol007\0211\rocp1171966.txt	Responsive	
591	w:\relevance003\text\vol003\0032\sta00107806.txt	Responsive	
592	w:\relevance003\text\vol007\0111\sta00809062.txt	Not Responsive	
593	w:\relevance003\text\vol007\0115\sta00849817.txt	Not Responsive	
594	w:\relevance003\text\vol003\0004\sta00067370.txt	Responsive	
595	w:\relevance003\text\vol007\0144\sta00872206.txt	Not Responsive	
596	w:\relevance003\text\vol005\0006\sta00156815.txt	Responsive	
597	w:\relevance003\text\vol007\0201\sta00908865.txt	Not Responsive	
598	w:\relevance003\text\vol003\0014\sta00077226.txt	Not Responsive	
599	w:\relevance003\text\vol003\0012\sta00075004.txt	Not Responsive	
600	w:\relevance003\text\vol008\0023\rocp1442223.txt	Responsive	
601	w:\relevance003\text\vol007\0045\sta00762210.txt	Not Responsive	
602	w:\relevance003\text\vol007\0027\sta00664341.txt	Not Responsive	
603	w:\relevance003\text\vol003\0054\sta00118795.txt	Not Responsive	
604	w:\relevance003\text\vol007\0046\sta00762634.txt	Not Responsive	
605	w:\relevance003\text\vol004\0028\sta00146932.txt	Responsive	
606	w:\relevance003\text\vol007\0050\sta00749564.txt	Not Responsive	
607	w:\relevance003\text\vol001\0012\sta00003647.txt	Responsive	
608	w:\relevance003\text\vol007\0191\sta00898684.txt	Not Responsive	
609	w:\relevance003\text\vol004\0003\sta00121680.txt	Skip	
610	w:\relevance003\text\vol008\0017\rocp1313290.txt	Skip	
611	w:\relevance003\text\vol004\0031\sta00149973.txt	Responsive	

612	w:\relevance003\text\vol007\0157\sta00861927.txt	Not Responsive	
613	w:\relevance003\text\vol003\0032\sta00108114.txt	Responsive	
614	w:\relevance003\text\vol001\0021\sta00012958.txt	Responsive	
615	w:\relevance003\text\vol002\0014\sta00057791.txt	Responsive	
616	w:\relevance003\text\vol007\0089\sta00839181.txt	Not Responsive	
617	w:\relevance003\text\vol003\0052\sta00118060.txt	Responsive	
618	w:\relevance003\text\vol007\0039\sta00759544.txt	Not Responsive	
619	w:\relevance003\text\vol003\0044\sta00100394.txt	Not Responsive	
620	w:\relevance003\text\vol003\0010\sta00073820.txt	Not Responsive	
621	w:\relevance003\text\vol007\0062\sta00772030.txt	Not Responsive	
622	w:\relevance003\text\vol007\0002\rocp0738744.txt	Responsive	
623	w:\relevance003\text\vol007\0083\sta00836859.txt	Not Responsive	
624	w:\relevance003\text\vol006\0023\sta00178880.txt	Not Responsive	
625	w:\relevance003\text\vol001\0005\sta00027479.txt	Responsive	
626	w:\relevance003\text\vol007\0146\sta00918574.txt	Not Responsive	
627	w:\relevance003\text\vol006\0024\sta00180086.txt	Not Responsive	
628	w:\relevance003\text\vol007\0187\sta00893935.txt	Not Responsive	
629	w:\relevance003\text\vol001\0037\sta00036553.txt	Responsive	
630	w:\relevance003\text\vol007\0023\rocp1125820.txt	Skip	
631	w:\relevance003\text\vol007\0044\sta00746428.txt	Not Responsive	
632	w:\relevance003\text\vol004\0008\sta00126993.txt	Not Responsive	
633	w:\relevance003\text\vol005\0003\sta00153122.txt	Responsive	
634	w:\relevance003\text\vol002\0020\sta00063334.txt	Responsive	
635	w:\relevance003\text\vol003\0040\sta00111934.txt	Not Responsive	
636	w:\relevance003\text\vol004\0023\sta00141313.txt	Responsive	
637	w:\relevance003\text\vol003\0005\sta00068117.txt	Not Responsive	
638	w:\relevance003\text\vol007\0164\sta00864400.txt	Not Responsive	
639	w:\relevance003\text\vol003\0014\sta00077098.txt	Not Responsive	
640	w:\relevance003\text\vol008\0020\rocp1386212.txt	Responsive	
641	w:\relevance003\text\vol003\0036\sta00109736.txt	Responsive	
642	w:\relevance003\text\vol003\0036\sta00109632.txt	Responsive	
643	w:\relevance003\text\vol007\0155\sta00876161.txt	Not Responsive	
644	w:\relevance003\text\vol001\0037\sta00036428.txt	Not Responsive	
645	w:\relevance003\text\vol004\0028\sta00147021.txt	Responsive	

646	w:\relevance003\text\vol007\0176\sta00867285.txt	Not Responsive	
647	w:\relevance003\text\vol007\0117\sta00850360.txt	Not Responsive	
648	w:\relevance003\text\vol007\0125\sta00818591.txt	Not Responsive	
649	w:\relevance003\text\vol007\0169\sta00881030.txt	Not Responsive	
650	w:\relevance003\text\vol004\0007\sta00125313.txt	Skip	
651	w:\relevance003\text\vol006\0039\rocp0077116.txt	Responsive	
652	w:\relevance003\text\vol007\0130\sta00853989.txt	Not Responsive	
653	w:\relevance003\text\vol006\0050\rocp0556055.txt	Responsive	
654	w:\relevance003\text\vol003\0025\sta00088389.txt	Responsive	
655	w:\relevance003\text\vol004\0027\sta00145618.txt	Responsive	
656	w:\relevance003\text\vol007\0096\sta00801301.txt	Responsive	
657	w:\relevance003\text\vol007\0145\sta00872552.txt	Not Responsive	
658	w:\relevance003\text\vol007\0117\sta00850554.txt	Not Responsive	
659	w:\relevance003\text\vol007\0015\rocp0978694.txt	Responsive	
660	w:\relevance003\text\vol003\0002\sta00065515.txt	Responsive	
661	w:\relevance003\text\vol002\0019\sta00062969.txt	Responsive	
662	w:\relevance003\text\vol007\0118\sta00813206.txt	Not Responsive	
663	w:\relevance003\text\vol001\0044\sta00042942.txt	Responsive	
664	w:\relevance003\text\vol008\0017\rocp1314218.txt	Responsive	
665	w:\relevance003\text\vol003\0048\sta00116138.txt	Responsive	
666	w:\relevance003\text\vol003\0054\sta00105227.txt	Responsive	
667	w:\relevance003\text\vol007\0152\sta00920765.txt	Not Responsive	
668	w:\relevance003\text\vol001\0020\sta00011947.txt	Responsive	
669	w:\relevance003\text\vol004\0008\sta00126820.txt	Responsive	
670	w:\relevance003\text\vol001\0026\sta00018004.txt	Responsive	
671	w:\relevance003\text\vol007\0090\sta00799451.txt	Not Responsive	
672	w:\relevance003\text\vol001\0030\sta00021406.txt	Responsive	
673	w:\relevance003\text\vol007\0131\sta00854705.txt	Skip	
674	w:\relevance003\text\vol003\0046\sta00114857.txt	Responsive	
675	w:\relevance003\text\vol001\0012\sta00004066.txt	Responsive	
676	w:\relevance003\text\vol007\0210\rocp1180347.txt	Responsive	
677	w:\relevance003\text\vol006\0027\sta00183320.txt	Not Responsive	
678	w:\relevance003\text\vol007\0126\sta00820006.txt	Not Responsive	
679	w:\relevance003\text\vol007\0098\sta00802489.txt	Not Responsive	

680	w:\relevance003\text\vol003\0019\sta00081285.txt	Responsive	
681	w:\relevance003\text\vol007\0109\sta00808029.txt	Not Responsive	
682	w:\relevance003\text\vol002\0009\sta00052155.txt	Responsive	
683	w:\relevance003\text\vol007\0171\sta00927403.txt	Not Responsive	
684	w:\relevance003\text\vol004\0014\sta00132853.txt	Responsive	
685	w:\relevance003\text\vol007\0157\sta00862022.txt	Not Responsive	
686	w:\relevance003\text\vol007\0085\sta00830316.txt	Not Responsive	
687	w:\relevance003\text\vol007\0166\sta00879952.txt	Not Responsive	
688	w:\relevance003\text\vol007\0066\sta00789857.txt	Not Responsive	
689	w:\relevance003\text\vol007\0145\sta00917858.txt	Not Responsive	
690	w:\relevance003\text\vol006\0046\rocp0290180.txt	Not Responsive	
691	w:\relevance003\text\vol006\0048\rocp0511626.txt	Responsive	
692	w:\relevance003\text\vol007\0113\sta00848403.txt	Not Responsive	
693	w:\relevance003\text\vol007\0172\sta00882325.txt	Not Responsive	
694	w:\relevance003\text\vol004\0028\sta00146968.txt	Responsive	
695	w:\relevance003\text\vol007\0142\sta00871679.txt	Not Responsive	
696	w:\relevance003\text\vol003\0039\sta00111567.txt	Responsive	
697	w:\relevance003\text\vol007\0016\rocp0931193.txt	Responsive	
698	w:\relevance003\text\vol007\0074\sta00826052.txt	Not Responsive	
699	w:\relevance003\text\vol001\0001\grejep0001019.txt	Responsive	
700	w:\relevance003\text\vol003\0004\sta00067146.txt	Responsive	
701	w:\relevance003\text\vol006\0024\sta00180025.txt	Skip	
702	w:\relevance003\text\vol007\0097\sta00801821.txt	Responsive	
703	w:\relevance003\text\vol007\0044\sta00745952.txt	Not Responsive	
704	w:\relevance003\text\vol003\0055\sta00105774.txt	Not Responsive	
705	w:\relevance003\text\vol007\0119\sta00851322.txt	Not Responsive	
706	w:\relevance003\text\vol004\0001\sta00119962.txt	Skip	
707	w:\relevance003\text\vol002\0015\sta00058916.txt	Responsive	
708	w:\relevance003\text\vol007\0176\sta00867592.txt	Not Responsive	
709	w:\relevance003\text\vol006\0013\sta00170371.txt	Responsive	PRIV - WH
710	w:\relevance003\text\vol007\0114\sta00811621.txt	Not Responsive	
711	w:\relevance003\text\vol007\0011\rocp0874962.txt	Not Responsive	
712	w:\relevance003\text\vol007\0040\sta00745205.txt	Not Responsive	
713	w:\relevance003\text\vol003\0036\sta00096236.txt	Not Responsive	

714	w:\relevance003\text\vol006\0006\sta00163508.txt	Responsive	
715	w:\relevance003\text\vol007\0013\rocp0919408.txt	Skip	
716	w:\relevance003\text\vol007\0044\sta00761393.txt	Not Responsive	
717	w:\relevance003\text\vol006\0041\rocp0174330.txt	Responsive	
718	w:\relevance003\text\vol007\0102\sta00804626.txt	Not Responsive	
719	w:\relevance003\text\vol002\0018\sta00061859.txt	Responsive	
720	w:\relevance003\text\vol007\0200\sta00907861.txt	Not Responsive	
721	w:\relevance003\text\vol007\0196\sta00903491.txt	Not Responsive	
722	w:\relevance003\text\vol004\0016\sta00134319.txt	Responsive	
723	w:\relevance003\text\vol003\0010\sta00073006.txt	Responsive	
724	w:\relevance003\text\vol006\0005\sta00162538.txt	Not Responsive	
725	w:\relevance003\text\vol003\0016\sta00079158.txt	Not Responsive	
726	w:\relevance003\text\vol003\0006\sta00069291.txt	Skip	
727	w:\relevance003\text\vol007\0065\sta00789093.txt	Skip	
728	w:\relevance003\text\vol007\0091\sta00839398.txt	Not Responsive	
729	w:\relevance003\text\vol007\0051\sta00765337.txt	Not Responsive	
730	w:\relevance003\text\vol007\0140\sta00915851.txt	Skip	
731	w:\relevance003\text\vol001\0001\sparop0000027.txt	Responsive	
732	w:\relevance003\text\vol008\0007\rocp1236270.txt	Responsive	
733	w:\relevance003\text\vol007\0079\sta00828740.txt	Not Responsive	
734	w:\relevance003\text\vol007\0187\sta00894778.txt	Not Responsive	
735	w:\relevance003\text\vol001\0036\sta00035192.txt	Responsive	
736	w:\relevance003\text\vol004\0006\sta00124880.txt	Not Responsive	
737	w:\relevance003\text\vol003\0035\sta00095953.txt	Not Responsive	
738	w:\relevance003\text\vol006\0024\sta00179878.txt	Responsive	
739	w:\relevance003\text\vol002\0016\sta00059708.txt	Responsive	
740	w:\relevance003\text\vol004\0009\sta00127304.txt	Not Responsive	
741	w:\relevance003\text\vol003\0027\sta00089956.txt	Responsive	
742	w:\relevance003\text\vol003\0030\sta00092748.txt	Responsive	
743	w:\relevance003\text\vol006\0013\sta00169889.txt	Skip	
744	w:\relevance003\text\vol002\0005\sta00048842.txt	Not Responsive	
745	w:\relevance003\text\vol007\0067\sta00790865.txt	Responsive	
746	w:\relevance003\text\vol008\0018\rocp1356586.txt	Not Responsive	
747	w:\relevance003\text\vol007\0062\sta00772002.txt	Not Responsive	

748	w:\relevance003\text\vol008\0013\rocp1270957.txt	Responsive	
749	w:\relevance003\text\vol003\0054\sta00118757.txt	Responsive	
750	w:\relevance003\text\vol007\0070\sta00792156.txt	Not Responsive	
751	w:\relevance003\text\vol008\0014\rocp1315180.txt	Not Responsive	
752	w:\relevance003\text\vol007\0187\sta00894407.txt	Not Responsive	
753	w:\relevance003\text\vol007\0196\sta00903823.txt	Not Responsive	
754	w:\relevance003\text\vol006\0044\rocp0226576.txt	Responsive	
755	w:\relevance003\text\vol003\0040\sta00098258.txt	Not Responsive	
756	w:\relevance003\text\vol003\0054\sta00105193.txt	Responsive	
757	w:\relevance003\text\vol005\0001\sta00151527.txt	Not Responsive	
758	w:\relevance003\text\vol008\0012\rocp1265214.txt	Responsive	
759	w:\relevance003\text\vol007\0045\sta00761944.txt	Not Responsive	
760	w:\relevance003\text\vol004\0011\sta00129990.txt	Responsive	
761	w:\relevance003\text\vol005\0006\sta00156090.txt	Responsive	
762	w:\relevance003\text\vol006\0034\rocp0036524.txt	Not Responsive	
763	w:\relevance003\text\vol007\0215\rocp1205301.txt	Not Responsive	
764	w:\relevance003\text\vol007\0144\sta00871800.txt	Not Responsive	
765	w:\relevance003\text\vol006\0041\rocp0174747.txt	Responsive	
766	w:\relevance003\text\vol007\0215\rocp1209137.txt	Responsive	
767	w:\relevance003\text\vol006\0008\sta00164857.txt	Not Responsive	
768	w:\relevance003\text\vol007\0040\sta00757795.txt	Skip	
769	w:\relevance003\text\vol001\0011\sta00002647.txt	Responsive	
770	w:\relevance003\text\vol007\0003\rocp0763294.txt	Responsive	
771	w:\relevance003\text\vol007\0006\rocp0796902.txt	Not Responsive	
772	w:\relevance003\text\vol007\0016\rocp0930960.txt	Not Responsive	
773	w:\relevance003\text\vol001\0005\sta00027583.txt	Responsive	
774	w:\relevance003\text\vol007\0026\sta00663480.txt	Not Responsive	
775	w:\relevance003\text\vol007\0146\sta00918477.txt	Not Responsive	
776	w:\relevance003\text\vol001\0004\sta00026587.txt	Responsive	
777	w:\relevance003\text\vol006\0044\rocp0222764.txt	Responsive	
778	w:\relevance003\text\vol006\0012\sta00169323.txt	Not Responsive	
779	w:\relevance003\text\vol007\0176\sta00867513.txt	Not Responsive	
780	w:\relevance003\text\vol007\0021\rocp1086893.txt	Responsive	
781	w:\relevance003\text\vol007\0165\sta00925654.txt	Not Responsive	

782	w:\relevance003\text\vol005\0004\sta00153881.txt	Responsive	
783	w:\relevance003\text\vol007\0203\sta00910072.txt	Not Responsive	
784	w:\relevance003\text\vol007\0179\sta00885888.txt	Not Responsive	
785	w:\relevance003\text\vol003\0034\sta00109020.txt	Skip	
786	w:\relevance003\text\vol007\0102\sta00804237.txt	Not Responsive	
787	w:\relevance003\text\vol007\0148\sta00919111.txt	Not Responsive	
788	w:\relevance003\text\vol002\0015\sta00058980.txt	Not Responsive	
789	w:\relevance003\text\vol003\0009\sta00071718.txt	Responsive	
790	w:\relevance003\text\vol003\0001\sta00063981.txt	Not Responsive	
791	w:\relevance003\text\vol007\0051\sta00764802.txt	Not Responsive	
792	w:\relevance003\text\vol007\0025\sta00640557.txt	Not Responsive	
793	w:\relevance003\text\vol007\0184\sta00891544.txt	Not Responsive	
794	w:\relevance003\text\vol007\0027\sta00665035.txt	Not Responsive	
795	w:\relevance003\text\vol007\0029\sta00641454.txt	Responsive	
796	w:\relevance003\text\vol007\0093\sta00833921.txt	Not Responsive	
797	w:\relevance003\text\vol007\0175\sta00928731.txt	Not Responsive	
798	w:\relevance003\text\vol007\0199\sta00906559.txt	Not Responsive	
799	w:\relevance003\text\vol007\0059\sta00753427.txt	Not Responsive	
800	w:\relevance003\text\vol007\0174\sta00927994.txt	Not Responsive	
801	w:\relevance003\text\vol006\0014\sta00171143.txt	Not Responsive	
802	w:\relevance003\text\vol007\0014\rocp1025267.txt	Not Responsive	
803	w:\relevance003\text\vol003\0028\sta00091295.txt	Responsive	
804	w:\relevance003\text\vol003\0054\sta00118933.txt	Responsive	
805	w:\relevance003\text\vol005\0002\sta00152838.txt	Not Responsive	
806	w:\relevance003\text\vol007\0158\sta00876805.txt	Not Responsive	
807	w:\relevance003\text\vol006\0050\rocp0658964.txt	Not Responsive	
808	w:\relevance003\text\vol007\0094\sta00800554.txt	Not Responsive	
809	w:\relevance003\text\vol007\0053\sta00766280.txt	Not Responsive	
810	w:\relevance003\text\vol007\0059\sta00753116.txt	Not Responsive	
811	w:\relevance003\text\vol007\0070\sta00792723.txt	Responsive	
812	w:\relevance003\text\vol007\0043\sta00761128.txt	Not Responsive	
813	w:\relevance003\text\vol006\0001\sta00157728.txt	Responsive	
814	w:\relevance003\text\vol007\0089\sta00839291.txt	Not Responsive	
815	w:\relevance003\text\vol007\0067\sta00790701.txt	Responsive	

816	w:\relevance003\text\vol007\0174\sta00883556.txt	Not Responsive	
817	w:\relevance003\text\vol003\0032\sta00108210.txt	Responsive	
818	w:\relevance003\text\vol006\0007\sta00164083.txt	Not Responsive	
819	w:\relevance003\text\vol004\0011\sta00129705.txt	Skip	
820	w:\relevance003\text\vol007\0068\sta00791755.txt	Responsive	
821	w:\relevance003\text\vol007\0035\sta00743062.txt	Not Responsive	
822	w:\relevance003\text\vol007\0163\sta00924490.txt	Not Responsive	
823	w:\relevance003\text\vol003\0041\sta00098839.txt	Responsive	
824	w:\relevance003\text\vol007\0035\sta00743052.txt	Not Responsive	
825	w:\relevance003\text\vol006\0028\sta00183485.txt	Responsive	
826	w:\relevance003\text\vol007\0112\sta00810226.txt	Not Responsive	
827	w:\relevance003\text\vol001\0041\sta00039806.txt	Responsive	
828	w:\relevance003\text\vol007\0115\sta00850206.txt	Not Responsive	
829	w:\relevance003\text\vol003\0049\sta00102702.txt	Not Responsive	
830	w:\relevance003\text\vol007\0211\rocp1182804.txt	Responsive	
831	w:\relevance003\text\vol007\0099\sta00842295.txt	Not Responsive	
832	w:\relevance003\text\vol003\0054\sta00119001.txt	Responsive	
833	w:\relevance003\text\vol007\0161\sta00878126.txt	Not Responsive	
834	w:\relevance003\text\vol007\0091\sta00839404.txt	Not Responsive	
835	w:\relevance003\text\vol004\0027\sta00145387.txt	Responsive	
836	w:\relevance003\text\vol007\0127\sta00820708.txt	Not Responsive	
837	w:\relevance003\text\vol007\0059\sta00753457.txt	Not Responsive	
838	w:\relevance003\text\vol001\0018\sta00009906.txt	Responsive	
839	w:\relevance003\text\vol007\0211\rocp1182671.txt	Responsive	
840	w:\relevance003\text\vol003\0050\sta00116886.txt	Responsive	
841	w:\relevance003\text\vol007\0002\rocp0728012.txt	Not Responsive	
842	w:\relevance003\text\vol006\0043\rocp0217616.txt	Responsive	
843	w:\relevance003\text\vol007\0048\sta00748447.txt	Not Responsive	
844	w:\relevance003\text\vol007\0115\sta00849681.txt	Not Responsive	
845	w:\relevance003\text\vol007\0184\sta00891532.txt	Not Responsive	
846	w:\relevance003\text\vol007\0060\sta00753614.txt	Not Responsive	
847	w:\relevance003\text\vol003\0008\sta00072078.txt	Not Responsive	
848	w:\relevance003\text\vol001\0028\sta00019425.txt	Not Responsive	
849	w:\relevance003\text\vol007\0125\sta00819439.txt	Not Responsive	

850	w:\relevance003\text\vol007\0050\sta00764558.txt	Not Responsive	
851	w:\relevance003\text\vol004\0031\sta00149697.txt	Responsive	
852	w:\relevance003\text\vol007\0162\sta00923808.txt	Not Responsive	
853	w:\relevance003\text\vol007\0202\sta00909388.txt	Not Responsive	
854	w:\relevance003\text\vol004\0007\sta00125729.txt	Not Responsive	
855	w:\relevance003\text\vol007\0158\sta00862376.txt	Not Responsive	
856	w:\relevance003\text\vol007\0055\sta00751553.txt	Not Responsive	
857	w:\relevance003\text\vol007\0182\sta00888875.txt	Not Responsive	
858	w:\relevance003\text\vol004\0001\sta00119710.txt	Not Responsive	
859	w:\relevance003\text\vol007\0205\sta00911894.txt	Not Responsive	
860	w:\relevance003\text\vol008\0023\rocp1441412.txt	Responsive	
861	w:\relevance003\text\vol007\0047\sta00747801.txt	Not Responsive	
862	w:\relevance003\text\vol004\0028\sta00146782.txt	Responsive	
863	w:\relevance003\text\vol001\0036\sta00035170.txt	Responsive	
864	w:\relevance003\text\vol006\0029\sta00179683.txt	Skip	
865	w:\relevance003\text\vol002\0001\sta00044271.txt	Responsive	
866	w:\relevance003\text\vol008\0015\rocp1298613.txt	Responsive	
867	w:\relevance003\text\vol004\0028\sta00147139.txt	Not Responsive	
868	w:\relevance003\text\vol007\0111\sta00808970.txt	Not Responsive	
869	w:\relevance003\text\vol003\0014\sta00077696.txt	Not Responsive	
870	w:\relevance003\text\vol004\0026\sta00144840.txt	Responsive	
871	w:\relevance003\text\vol003\0013\sta00076506.txt	Responsive	
872	w:\relevance003\text\vol007\0067\sta00790929.txt	Not Responsive	
873	w:\relevance003\text\vol001\0026\sta00018175.txt	Responsive	
874	w:\relevance003\text\vol003\0028\sta00091409.txt	Responsive	
875	w:\relevance003\text\vol007\0213\rocp1195600.txt	Responsive	
876	w:\relevance003\text\vol007\0149\sta00919533.txt	Not Responsive	
877	w:\relevance003\text\vol007\0198\sta00904951.txt	Not Responsive	
878	w:\relevance003\text\vol006\0051\rocp0684173.txt	Not Responsive	
879	w:\relevance003\text\vol003\0045\sta00100805.txt	Not Responsive	
880	w:\relevance003\text\vol003\0043\sta00113446.txt	Responsive	
881	w:\relevance003\text\vol007\0212\rocp1185796.txt	Responsive	
882	w:\relevance003\text\vol007\0078\sta00795253.txt	Not Responsive	
883	w:\relevance003\text\vol007\0138\sta00915488.txt	Not Responsive	

884	w:\relevance003\text\vol007\0088\sta00831519.txt	Not Responsive	
885	w:\relevance003\text\vol002\0003\sta00046382.txt	Responsive	PRIV - WH
886	w:\relevance003\text\vol001\0020\sta00011470.txt	Responsive	
887	w:\relevance003\text\vol007\0111\sta00809070.txt	Not Responsive	
888	w:\relevance003\text\vol007\0156\sta00876453.txt	Not Responsive	PRIV - RED
889	w:\relevance003\text\vol003\0036\sta00109992.txt	Responsive	
890	w:\relevance003\text\vol008\0004\rocp1222356.txt	Responsive	
891	w:\relevance003\text\vol001\0039\sta00037797.txt	Responsive	
892	w:\relevance003\text\vol007\0205\sta00912464.txt	Not Responsive	
893	w:\relevance003\text\vol006\0022\sta00177434.txt	Not Responsive	
894	w:\relevance003\text\vol007\0139\sta00857475.txt	Skip	
895	w:\relevance003\text\vol006\0044\rocp0219080.txt	Not Responsive	
896	w:\relevance003\text\vol006\0043\rocp0201132.txt	Responsive	
897	w:\relevance003\text\vol001\0022\sta00013709.txt	Not Responsive	
898	w:\relevance003\text\vol007\0084\sta00797649.txt	Responsive	
899	w:\relevance003\text\vol002\0011\sta00054547.txt	Responsive	
900	w:\relevance003\text\vol007\0131\sta00855021.txt	Not Responsive	
901	w:\relevance003\text\vol001\0033\sta00032334.txt	Responsive	
902	w:\relevance003\text\vol002\0012\sta00055322.txt	Responsive	
903	w:\relevance003\text\vol006\0010\sta00167474.txt	Not Responsive	
904	w:\relevance003\text\vol007\0127\sta00820981.txt	Not Responsive	
905	w:\relevance003\text\vol001\0031\sta00030522.txt	Responsive	
906	w:\relevance003\text\vol007\0101\sta00843891.txt	Not Responsive	
907	w:\relevance003\text\vol005\0007\sta00156916.txt	Responsive	
908	w:\relevance003\text\vol007\0212\rocp1189731.txt	Responsive	
909	w:\relevance003\text\vol003\0048\sta00102313.txt	Not Responsive	
910	w:\relevance003\text\vol003\0047\sta00101980.txt	Not Responsive	
911	w:\relevance003\text\vol007\0016\rocp0991001.txt	Skip	
912	w:\relevance003\text\vol003\0027\sta00090036.txt	Responsive	
913	w:\relevance003\text\vol007\0198\sta00904989.txt	Not Responsive	
914	w:\relevance003\text\vol007\0112\sta00810441.txt	Not Responsive	
915	w:\relevance003\text\vol008\0019\rocp1366890.txt	Responsive	
916	w:\relevance003\text\vol003\0037\sta00110340.txt	Responsive	
917	w:\relevance003\text\vol007\0137\sta00915243.txt	Not Responsive	

918	w:\relevance003\text\vol007\0012\rocp0897059.txt	Responsive	
919	w:\relevance003\text\vol004\0007\sta00125757.txt	Not Responsive	
920	w:\relevance003\text\vol008\0023\rocp1441410.txt	Skip	
921	w:\relevance003\text\vol001\0021\sta00012815.txt	Not Responsive	
922	w:\relevance003\text\vol003\0011\sta00074538.txt	Not Responsive	
923	w:\relevance003\text\vol006\0030\rocp0016109.txt	Responsive	
924	w:\relevance003\text\vol006\0007\sta00164255.txt	Not Responsive	
925	w:\relevance003\text\vol002\0019\sta00062254.txt	Responsive	
926	w:\relevance003\text\vol002\0020\sta00063325.txt	Responsive	
927	w:\relevance003\text\vol004\0017\sta00136116.txt	Responsive	
928	w:\relevance003\text\vol003\0029\sta00092385.txt	Responsive	
929	w:\relevance003\text\vol007\0100\sta00803454.txt	Not Responsive	
930	w:\relevance003\text\vol007\0176\sta00867180.txt	Not Responsive	
931	w:\relevance003\text\vol007\0017\rocp0992498.txt	Not Responsive	
932	w:\relevance003\text\vol004\0005\sta00123194.txt	Not Responsive	
933	w:\relevance003\text\vol001\0006\sta00027968.txt	Not Responsive	
934	w:\relevance003\text\vol007\0201\sta00907918.txt	Not Responsive	
935	w:\relevance003\text\vol006\0001\sta00157738.txt	Not Responsive	
936	w:\relevance003\text\vol007\0198\sta00905475.txt	Not Responsive	
937	w:\relevance003\text\vol007\0067\sta00790498.txt	Not Responsive	
938	w:\relevance003\text\vol002\0014\sta00057248.txt	Responsive	
939	w:\relevance003\text\vol007\0123\sta00816740.txt	Not Responsive	
940	w:\relevance003\text\vol007\0181\sta00888830.txt	Not Responsive	
941	w:\relevance003\text\vol001\0004\sta00025774.txt	Not Responsive	
942	w:\relevance003\text\vol007\0212\rocp1183962.txt	Responsive	
943	w:\relevance003\text\vol007\0147\sta00859175.txt	Not Responsive	
944	w:\relevance003\text\vol003\0030\sta00092747.txt	Responsive	
945	w:\relevance003\text\vol001\0043\sta00041804.txt	Responsive	
946	w:\relevance003\text\vol006\0026\sta00182329.txt	Not Responsive	
947	w:\relevance003\text\vol007\0132\sta00913131.txt	Skip	
948	w:\relevance003\text\vol007\0129\sta00852864.txt	Not Responsive	
949	w:\relevance003\text\vol004\0004\sta00122918.txt	Responsive	
950	w:\relevance003\text\vol007\0046\sta00747397.txt	Not Responsive	
951	w:\relevance003\text\vol008\0018\rocp1343520.txt	Not Responsive	

952	w:\relevance003\text\vol004\0024\sta00142630.txt	Not Responsive	
953	w:\relevance003\text\vol007\0106\sta00845775.txt	Not Responsive	
954	w:\relevance003\text\vol002\0010\sta00053756.txt	Responsive	
955	w:\relevance003\text\vol006\0037\rocp0071626.txt	Responsive	
956	w:\relevance003\text\vol003\0035\sta00095665.txt	Not Responsive	
957	w:\relevance003\text\vol007\0188\sta00895657.txt	Not Responsive	
958	w:\relevance003\text\vol007\0202\sta00909009.txt	Not Responsive	
959	w:\relevance003\text\vol007\0034\sta00742648.txt	Not Responsive	
960	w:\relevance003\text\vol002\0002\sta00045602.txt	Not Responsive	
961	w:\relevance003\text\vol003\0045\sta00100755.txt	Not Responsive	
962	w:\relevance003\text\vol007\0056\sta00767835.txt	Not Responsive	
963	w:\relevance003\text\vol003\0004\sta00067460.txt	Responsive	
964	w:\relevance003\text\vol008\0006\rocp1233107.txt	Responsive	
965	w:\relevance003\text\vol007\0182\sta00889562.txt	Not Responsive	
966	w:\relevance003\text\vol001\0025\sta00016910.txt	Not Responsive	
967	w:\relevance003\text\vol007\0154\sta00921731.txt	Not Responsive	
968	w:\relevance003\text\vol007\0136\sta00856116.txt	Not Responsive	
969	w:\relevance003\text\vol001\0012\sta00003523.txt	Responsive	
970	w:\relevance003\text\vol007\0059\sta00769420.txt	Not Responsive	
971	w:\relevance003\text\vol002\0014\sta00057858.txt	Skip	
972	w:\relevance003\text\vol007\0168\sta00926569.txt	Not Responsive	
973	w:\relevance003\text\vol002\0019\sta00062078.txt	Responsive	
974	w:\relevance003\text\vol006\0023\sta00178266.txt	Responsive	
975	w:\relevance003\text\vol008\0017\rocp1340768.txt	Responsive	
976	w:\relevance003\text\vol001\0039\sta00038546.txt	Responsive	
977	w:\relevance003\text\vol003\0006\sta00069204.txt	Skip	
978	w:\relevance003\text\vol006\0021\sta00176235.txt	Not Responsive	
979	w:\relevance003\text\vol007\0121\sta00852459.txt	Not Responsive	
980	w:\relevance003\text\vol007\0077\sta00834912.txt	Not Responsive	
981	w:\relevance003\text\vol007\0059\sta00753403.txt	Not Responsive	
982	w:\relevance003\text\vol007\0155\sta00861372.txt	Not Responsive	
983	w:\relevance003\text\vol003\0007\sta00070431.txt	Not Responsive	
984	w:\relevance003\text\vol003\0036\sta00096188.txt	Not Responsive	
985	w:\relevance003\text\vol001\0012\sta00003968.txt	Responsive	

986	w:\relevance003\text\vol003\0044\sta00100280.txt	Not Responsive	
987	w:\relevance003\text\vol007\0101\sta00843502.txt	Not Responsive	
988	w:\relevance003\text\vol001\0037\sta00036429.txt	Not Responsive	
989	w:\relevance003\text\vol002\0007\sta00050908.txt	Not Responsive	
990	w:\relevance003\text\vol007\0029\sta00666371.txt	Not Responsive	
991	w:\relevance003\text\vol007\0090\sta00799844.txt	Not Responsive	
992	w:\relevance003\text\vol003\0031\sta00093999.txt	Responsive	
993	w:\relevance003\text\vol007\0101\sta00843700.txt	Not Responsive	
994	w:\relevance003\text\vol006\0013\sta00170510.txt	Not Responsive	
995	w:\relevance003\text\vol007\0193\sta00899979.txt	Not Responsive	
996	w:\relevance003\text\vol007\0060\sta00753660.txt	Not Responsive	
997	w:\relevance003\text\vol007\0195\sta00902663.txt	Not Responsive	
998	w:\relevance003\text\vol007\0050\sta00764595.txt	Not Responsive	
999	w:\relevance003\text\vol005\0002\sta00151970.txt	Not Responsive	
1000	w:\relevance003\text\vol003\0048\sta00115916.txt	Responsive	

1 N/A	DMX: Issue Expert Co	Comments
w:\relevance003\text\vol003\0021\sta00085238.txt	Not Responsive	
w:\relevance003\text\vol007\0167\sta00925966.txt	Skip	
w:\relevance003\text\vol001\0021\sta00013155.txt	Responsive	
w:\relevance003\text\vol001\0007\sta00028763.txt	Responsive	
w:\relevance003\text\vol007\0139\sta00857297.txt	Skip	
w:\relevance003\text\vol007\0045\sta00761715.txt	Not Responsive	
w:\relevance003\text\vol001\0043\sta00041796.txt	Responsive	
w:\relevance003\text\vol007\0040\sta00757634.txt	Skip	
w:\relevance003\text\vol007\0120\sta00814222.txt	Not Responsive	
w:\relevance003\text\vol003\0009\sta00072484.txt	Not Responsive	
w:\relevance003\text\vol003\0010\sta00073780.txt	Responsive	
w:\relevance003\text\vol007\0073\sta00793948.txt	Not Responsive	
w:\relevance003\text\vol003\0029\sta00107211.txt	Skip	
w:\relevance003\text\vol001\0003\sta00024730.txt	Responsive	
w:\relevance003\text\vol006\0003\sta00160039.txt	Responsive	
w:\relevance003\text\vol007\0029\sta00641289.txt	Not Responsive	
w:\relevance003\text\vol004\0025\sta00143545.txt	Not Responsive	
w:\relevance003\text\vol004\0012\sta00130331.txt	Not Responsive	
w:\relevance003\text\vol007\0113\sta00848993.txt	Not Responsive	
w:\relevance003\text\vol007\0078\sta00795394.txt	Not Responsive	
w:\relevance003\text\vol003\0020\sta00081560.txt	Not Responsive	
w:\relevance003\text\vol007\0043\sta00758487.txt	Skip	
w:\relevance003\text\vol007\0173\sta00866249.txt	Not Responsive	
w:\relevance003\text\vol007\0109\sta00808170.txt	Not Responsive	
w:\relevance003\text\vol007\0104\sta00844679.txt	Not Responsive	
w:\relevance003\text\vol007\0086\sta00837737.txt	Not Responsive	
w:\relevance003\text\vol007\0154\sta00861012.txt	Not Responsive	
w:\relevance003\text\vol002\0015\sta00058093.txt	Not Responsive	
w:\relevance003\text\vol007\0126\sta00820049.txt	Not Responsive	
w:\relevance003\text\vol004\0015\sta00134149.txt	Not Responsive	
w:\relevance003\text\vol004\0029\sta00147690.txt	Responsive	
w:\relevance003\text\vol001\0011\sta00002341.txt	Responsive	
w:\relevance003\text\vol008\0018\rocp1341654.txt	Responsive	
w:\relevance003\text\vol007\0053\sta00765690.txt	Not Responsive	

w:\relevance003\text\vol007\0105\sta00806655.txt	Not Responsive	
w:\relevance003\text\vol004\0001\sta00106597.txt	Responsive	
w:\relevance003\text\vol003\0003\sta00066617.txt	Responsive	
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w:\relevance003\text\vol007\0007\rocp0806975.txt	Responsive	
w:\relevance003\text\vol008\0020\rocp1383158.txt	Not Responsive	
w:\relevance003\text\vol006\0028\sta00183684.txt	Not Responsive	
w:\relevance003\text\vol007\0196\sta00903572.txt	Not Responsive	
w:\relevance003\text\vol004\0003\sta00122155.txt	Responsive	
w:\relevance003\text\vol007\0082\sta00829811.txt	Not Responsive	
w:\relevance003\text\vol007\0025\sta00640614.txt	Skip	
w:\relevance003\text\vol003\0051\sta00103766.txt	Not Responsive	
w:\relevance003\text\vol006\0051\rocp0690016.txt	Responsive	
w:\relevance003\text\vol001\0006\sta00028419.txt	Responsive	
w:\relevance003\text\vol005\0002\sta00152024.txt	Responsive	
w:\relevance003\text\vol003\0042\sta00112881.txt	Not Responsive	
w:\relevance003\text\vol007\0164\sta00864533.txt	Not Responsive	
w:\relevance003\text\vol007\0037\sta00756783.txt	Not Responsive	
w:\relevance003\text\vol003\0056\sta00106204.txt	Responsive	
w:\relevance003\text\vol007\0006\rocp0806090.txt	Responsive	
w:\relevance003\text\vol003\0004\sta00067565.txt	Responsive	
w:\relevance003\text\vol008\0012\rocp1265124.txt	Responsive	
w:\relevance003\text\vol007\0196\sta00902936.txt	Not Responsive	
w:\relevance003\text\vol008\0004\rocp1220494.txt	Responsive	
w:\relevance003\text\vol003\0035\sta00109477.txt	Responsive	
w:\relevance003\text\vol003\0012\sta00075511.txt	Responsive	
w:\relevance003\text\vol007\0195\sta00902389.txt	Not Responsive	
w:\relevance003\text\vol001\0004\sta00026011.txt	Responsive	
w:\relevance003\text\vol007\0174\sta00883296.txt	Not Responsive	
w:\relevance003\text\vol007\0066\sta00789259.txt	Not Responsive	
w:\relevance003\text\vol007\0141\sta00916660.txt	Not Responsive	
w:\relevance003\text\vol004\0004\sta00122468.txt	Responsive	
w:\relevance003\text\vol003\0052\sta00104313.txt	Responsive	
w:\relevance003\text\vol003\0004\sta00067851.txt	Responsive	
w:\relevance003\text\vol003\0017\sta00083140.txt	Skip	

w:\relevance003\text\vol007\0140\sta00916065.txt	Skip	
w:\relevance003\text\vol006\0032\rocp0022422.txt	Responsive	
w:\relevance003\text\vol007\0102\sta00804303.txt	Not Responsive	
w:\relevance003\text\vol004\0029\sta00147834.txt	Responsive	

“Forrest Declaration”

DOUGLAS FORREST, ESQ

VICE PRESIDENT –EDISCOVERY STRATEGY & MANAGEMENT

INTERNATIONAL LITIGATION SERVICES

PROFESSIONAL EXPERIENCE

INTERNATIONAL LITIGATION SERVICES JULY 2010 – PRESENT

VICE PRESIDENT –EDISCOVERY STRATEGY & MANAGEMENT

Advising law firms in ESI discovery matters, including production protocols and formats, application of predictive coding, pre-trial conferences, post-production issue analysis.

OZMOSYS, INC

MAY, 2010 - JUNE, 2011, 2000 – 2006

CHIEF TECHNOLOGY OFFICER

Designed and developed on-line client-administered service, OEM'ed by Lexis as *LexisNexis Research® Total Alerts*, to deliver individualized e-mails consolidating new content from web sites, Lexis Trackers, Factiva folders, CourtLink, direct publisher feeds, RSS feeds, etc..

Developed Web 2.0 on-line practice area/client daily newsletter service OEM'ed by LexisNexis as *LexisNexis Clipper*.

Developed the on-line technology behind the *LexisNexis Legal Industry Monitor*, *Thompson Elite Daily Docket* and Institutional Investors' *Mutual Fund Daily*, *Hedge Fund Daily* and *Compliance Daily*

ENCORE DISCOVERY SOLUTIONS

AUGUST 2009 – MAY 2010

DIRECTOR, NORTHEAST REGION

E-Discovery sales.

GUIDANCE SOFTWARE, INC

MAY 2006 – AUGUST 2009

E-DISCOVERY SPECIALIST (JANUARY 2009 – AUGUST 2009)

Oversaw implementation of enterprise ESI software at Verizon, GE, AOL, Bell Canada, etc.

E-DISCOVERY SERVICES MANAGER (AUGUST 2007 – DECEMBER 2008)

E-DISCOVERY BUSINESS MANAGER (MAY 2006 - AUGUST 2007)

Managed e-discovery professional services sales team.

INDEPENDENT CONSULTANT

1984 – 1989, 1998 - 2006

- Created PDA Application prototype to monitor Point-Of-Purchase materials usage in 1,700 store national retail chain.
- Created workflow-enabled Operations Control system to capture, track and review all hours, services, rentals and expenses, and create invoices in accounting system for major litigation and trial services vendor.
- Designed ESI processing system for major litigation support vendor.
- Developed zero-footprint, insert-and-run CD application for debtor's' data distributions in a \$10 billion+ bankruptcy.

SPECIAL COUNSEL/LIT, INC.

1993 – 1998

EXECUTIVE DIRECTOR, TECHNICAL SERVICES DIVISION: Acted as primary technological strategist in developing Xerox/Special Counsel Alliance initiative to legal community.

VICE PRESIDENT, RESEARCH & DEVELOPMENT: Conceived, designed and created *WIDE* (Workflow Document Imaging Environment) for Skadden, Arps, Slate, Meagher & Flom to image, index, distribute and manage daily receipt of 15,000 pages of docket materials in 100,000 cases cluster.

Conceived, designed and oversaw development of *LIT CaseWorks*, a *Lotus Notes*-based enterprise-class integrated case management and litigation support system used at Cravath, Swaine & Moore; Simpson Thacher & Bartlett and Dickinson Wright.

DIRECTOR OF LITIGATION SERVICES: Litigation support sales and project and account management for clients including Paul, Weiss, Cravath, Simpson Thacher, Chadbourne & Parke, Akin Gump, etc.

MICROEDGE, INC.

1989 – 1993

VICE PRESIDENT PROFESSIONAL SERVICES

Built consulting and training divisions for PC software company, including business development, project management and systems analysis. Led development of award-winning system to handle \$34 billion Mexican debt refinancing for Citibank.

CRAVATH, SWAINE & MOORE

1979 – 1984

SENIOR LITIGATION ASSOCIATE: Significant involvement in complex litigation, including antitrust analysis for HBO and Time, Inc., IBM antitrust litigation, Iranian hostage defense preparation, international arbitration proceedings and pro bono representation of Phoenix House.

BREED, ABBOTT & MORGAN

1976-1979

LITIGATION ASSOCIATE: Work on matters for Honeywell, Armco Steel, National Distillers, Arthur Andersen, etc, with significant attention to antitrust, including monopsony claims.

EDUCATION

Stanford Law School (J.D., 1976, Note Editor, *Stanford Law Review*)
Antioch College (B.A., 1973)

I, Douglas Forrest, hereby declare as follows:

1. I am the Vice President, eDiscovery Analytics & Management at International Litigation Services (“ILS”), which is located in Aliso Viejo, California (www.ilsteam.com). I have been retained as a consultant for the Plaintiffs in this action. The facts stated in this declaration, except as otherwise explicitly noted, are within my own personal knowledge and, if called as a witness to testify, I could and would competently testify to the facts contained in this declaration.
2. I was admitted to practice law in New York in 1977, and am still a member in good standing of the New York bar. I have been involved with legal technology for over thirty (30) years, with particular expertise in e-discovery, having participated in, designed and managed numerous discovery and e-discovery projects. My CV is attached as Exhibit A.
3. At ILS, I direct discovery analytics and have directly participated in the management and execution of eDiscovery projects including the application of predictive coding and other advanced analytic techniques to discovery materials and advising in the drafting of predictive coding protocols.
4. I submit this Declaration in support of Plaintiffs’ Motion to Compel Production of Predictive Coding Documents.
5. On or about March 15, 2013, ILS downloaded a DAT file overlay containing a “Relevance_Score_Feedback” field from an FTP site of Defendants’ vendor Epiq. The file contained 492,653 predictive coding scores for previously produced documents from the following custodians:

Prefix	Custodian	Original Custodian
TAK-HARRIT	Thomas Harris	y
LLY-SHARE	Lilly	
TAK-BAROND	David Baron	y
TAK-BHATTM	Mondira Bhattacharya	
TAK-CAGGIAC	Christopher Caggiano	y
TAK-CARACM	Mike Caracci	y
TAK-COHENS	Samuel Cohen	
TAK-DALYRI	Rich Daly	y
TAK-FLETCE	Elizabeth Fletcher	

TAK-FUSCOG	Gregory Fusco	y
TAK-GERRIC	Charles Gerrits	y
TAK-GREEBJ	Jennifer Greeby	y
TAK-HASKIJ	Janet Haskins	
TAK-INDNDA	INDNDA	
TAK-JOHNSJ	Janet Johnston	y
TAK-KUPFES	Stuart Kupfer	y
TAK-LEEJES	Jessie Lee	y
TAK-LORENJ	Janet Lorenze	y
TAK-ORLAND	Dan Orlando	y
TAK-ORTELU	Una Ortell	y
TAK-PAGEJG	J.G. Page	
TAK-PARISM	Maria Paris	y
TAK-PERALM	Michelle Peralta	
TAK-PEREZA	Alfonzo Perez	y
TAK-PHARMACO	Pharmacovigilance	
TAK-PRITZM	Mary Jo Pritza	y
TAK-PROMO-AD	Promotion and Advertising Dept	
TAK-RAMSTM	Mary Ramstack	y
TAK-RECKED	David Recker	y
TAK-ROEBEM	Mick Roebel	y
TAK-SPANHR	Robert Spanheimer	y
TAK-TAKEDA	Takeda	
TAK-THOMCL	Claire Thom	y
TAK-TROCHA	Anton Trochanov	y
TAK-WEISBS	Shay Weisbrich	y
TAK-XUESON	Songlin Xue	

6. On March 21, 2013, ILS downloaded production volume TAK-SAMPLE0003, which contained a predictive coding sampling production of 400 documents with Relevance Score Feedback scores of 20, 50, 75 and 90, and now has a total of 493,053 such scores.

7. 345,021 of those 493,053 produced documents for which Relevance Score Feedback scores have been received have scores of 50 or higher. 332,600 have scores of 52 or higher. 65,392 have scores of 95 or higher.

8. On or about May 15, 2013, ILS downloaded production volume TAK361 from Epiq's FTP site. TAK361 contained 4,543 documents, but did not include Relevance_Score Feedback

scores for them. The breakdown by custodian of these documents, as given in an May 15, 2013 email from Joseph Coleman to Paul Pennock et al. was as follows:

Custodian	Production Volume	Production Begin Bates	Production End Bates	Document Count	Page Count
Alfonzo Perez	TAK361	TAK-PEREZA-00163646	TAK-PEREZA-00165168	136	1523
Andy Hull	TAK361	TAK-HULLAN-00112847	TAK-HULLAN-00112857	10	11
Anton Trochanov	TAK361	TAK-TROCHA-00391280	TAK-TROCHA-00392425	226	1146
Charles Gerrits	TAK361	TAK-GERRIC-00003164	TAK-GERRIC-00003241	47	78
Christopher Caggiano	TAK361	TAK-CAGGIAC-00359947	TAK-CAGGIAC-00360517	534	571
Claire Thom	TAK361	TAK-THOMCL-00035598	TAK-THOMCL-00035635	16	38
Dan Orlando	TAK361	TAK-ORLAND-00084316	TAK-ORLAND-00084316	1	1
D'Arcy Ryan	TAK361	TAK-RYANDA-00141513	TAK-RYANDA-00141513	1	1
David Baron	TAK361	TAK-BAROND-00380067	TAK-BAROND-00380375	178	309
David Recker	TAK361	TAK-RECKED-00155745	TAK-RECKED-00155801	26	57
Gregory Fusco	TAK361	TAK-FUSCOG-00063607	TAK-FUSCOG-00064902	274	1296
INDNDA	TAK361	TAK-INDNDA-02031637	TAK-INDNDA-02036137	631	4501
Janet Johnston	TAK361	TAK-JOHNJSJ-00170784	TAK-JOHNJSJ-00172246	206	1463
Janet Lorenz	TAK361	TAK-LORENJ-00064312	TAK-LORENJ-00064341	18	30
Jennifer Greeby	TAK361	TAK-GREEBJ-01417436	TAK-GREEBJ-01419223	78	1788
Jessie Lee	TAK361	TAK-LEEJES-00165305	TAK-LEEJES-00165780	328	476
Julie Tynan	TAK361	TAK-TYNANJ-00320827	TAK-TYNANJ-00321704	522	878
Karen Alsene	TAK361	TAK-ALSENK-00000001	TAK-ALSENK-00000019	3	19
Maria Paris	TAK361	TAK-PARISM-00096409	TAK-PARISM-00096631	51	223
Mary Jo Pritza	TAK361	TAK-PRITZM-00324810	TAK-PRITZM-00325252	315	443
Mary Ramstack	TAK361	TAK-RAMSTM-00565219	TAK-RAMSTM-00566038	561	820
Maryann Cuomo	TAK361	TAK-CUOMOM-00083904	TAK-CUOMOM-00083935	6	32
Mehmood Khan	TAK361	TAK-KHANME-00023209	TAK-KHANME-00023212	3	4
Mick Roebel	TAK361	TAK-ROEBEM-00120466	TAK-ROEBEM-	129	225

Mick Roebel	TAK361	TAK-ROEBEM-00120466	TAK-ROEBEM-00120690	129	225
Mike Caracci	TAK361	TAK-CARACM-00076631	TAK-CARACM-00076651	18	21
Rich Daly	TAK361	TAK-DALYRI-00280323	TAK-DALYRI-00280364	8	42
Robert Spanheimer	TAK361	TAK-SPANHR-00414963	TAK-SPANHR-00415082	95	120
Shay Weisbrich	TAK361	TAK-WEISBS-00071555	TAK-WEISBS-00071555	1	1
Stuart Kupfer	TAK361	TAK-KUPFES-01338928	TAK-KUPFES-01339151	111	224
Thomas Harris	TAK361	TAK-HARRIT-00083923	TAK-HARRIT-00083933	7	11
Una Ortell	TAK361	TAK-ORTELU-00083798	TAK-ORTELU-00083801	3	4

Executed June 17, 2012.



Douglas Forrest

“State Case Search Term Queries”

NO.	Search terms
1	I3 AND (Cancer*OR neoplasm*OR bladder OR tumor*OR hyperplas*OR (safety signal) OR carcin*OR maligna*OR laten*)
2	meta - analysis AND (Cancer*OR neoplasm*OR bladder OR tumor*OR hyperplas*OR (safety signal) OR carcin*OR maligna*OR laten*)
3	Product Information Request AND (bladder OR cancer*OR carcin*OR hyperplas*OR maligna*OR neoplasm*OR tumor*OR urothelium)
4	PIR AND (bladder OR cancer*OR carcin*OR hyperplas*OR maligna*OR neoplasm*OR tumor*OR urothelium)
5	extension w/5 study analysis AND (Cancer*OR neoplasm*OR bladder OR tumor*OR hyperplas*OR (safety signal) OR carcin*OR maligna*OR laten*)
6	observational w/5 study analysis AND (Cancer*OR neoplasm*OR bladder OR tumor*OR hyperplas*OR (safety signal) OR carcin*OR maligna*OR laten*)
7	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND (acid - forming diet)
8	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND (Actos Information Website)
9	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND (ad com*)
10	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND (advisory committee)
11	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND (advisory panel)
12	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND ((American Diabetes Association) OR ADA)
13	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND (Article 20)

14	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND (brand plan)
15	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND ((Carcinogenesis Assessment Committee) OR CAC)
16	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND ((cohort study) OR 252467)
17	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND ((Dear Colleague) OR (Dear Doctor) OR (Dear Healthcare Provider))
18	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND (epi* stud*)
19	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND ((European Union health advisory panel) OR (EU health advisory panel))
20	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND ((hazard ratio) OR HR OR (risk ratio) OR RR)
21	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND ((Kaiser Permanente) OR KPNC OR Kaiser w/5 Permanente)
22	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND ((Medication Guide) OR (Med Guide))
23	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND (objection handler)

24	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND ((Questions w/3 Answers) OR (Q&A))
25	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND (retrospective cohort)
26	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND ((Risk Management Plan) OR RMP)
27	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND (risk profile)
28	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND (safety alert)
29	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND (safety signal)
30	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND (sales aid)
31	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND (speakers bureau)
32	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND urin*
33	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND (black w/2 box)
34	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND (box*w/2 warning)

35	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND ((Dave OR David OR D) w/2 Phillips)
36	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND (diet w/5 modif*)
37	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND (focus w/3 group)
38	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND ((French OR France OR German*) w/10 (suspen*OR end OR withdraw*OR pull OR action))
39	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND ((publish*OR publication) w/2 plan)
40	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND (risk w/3 benefit)
41	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND ((Samuel OR Sam OR S) w/2 Cohen)
42	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND (warning w/2 letter*)
43	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND acidif*
44	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND adcom
45	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND (ADE OR AER OR AE OR (adverse event report) OR adverse w/3 event OR adverse drug event)

46	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND advertis*
47	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND akalin*
48	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND annual w/2 report
49	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND Avandia
50	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND BCBS
51	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND (Bladder OR tumor*OR cancer*)
52	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND branding
53	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND (calcium OR calcification OR calcify)
54	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND carcin*
55	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND citrate
56	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND (control diet)

57	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND DDMAC
58	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND (DMEP OR (Division w/2 Metabolism w/3 Endocrinology))
59	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND (dog*OR rat*OR rodent*OR mouse OR mice OR monkey*)
60	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND (DRISK OR (Division w/2 Risk Management))
61	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND (DTC OR (direct - w/2 - consumer))
62	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND (EMA OR (european medicines agency) OR EMEA OR (Committee w/3 Medicinal Products w/3 Human Use) OR CHMP OR Afssaps OR CNAMTS)
63	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND FDA
64	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND genotox*
65	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND hyperplas*
66	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND hypoglycem*

67	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND (ISI OR (important safety Information))
68	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND (Label*OR (package insert) OR PI OR (prescribing information) OR PLR OR (core data))
69	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND laten*
70	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND maligna*
71	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND Market*
72	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND (mechanistic OR mechanism)
73	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND (MI OR (myocardial infarction) OR (heart failure) OR stroke OR vascular OR cardio OR cardiovascular OR ischemic OR CV OR MACE)
74	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND (microcrystal*OR crystal*)
75	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND muraglitazar
76	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND mutagenic

77	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND (NDA OR (New Drug Application) OR IND OR (Investigational New Drug Application) OR ANDA OR (Abbreviated New Drug Application))
78	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND neoplas*
79	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND OPDP
80	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND patent
81	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND pharmacovigilance
82	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND (PMR OR (post marketing request))
83	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND (PMSI OR (Program medicalization w/2 information systems))
84	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND promot*
85	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND ragaglitazar
86	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND rapporteur
87	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND (REMS OR (risk evaluation mitigation strategy))

88	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND SNIIRAM
89	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND synthesi*
90	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND Transactiv*
91	(Acto*OR Metact OR Sonias OR Glustin OR Competact OR Glubrava OR Tandemact OR Duetact OR PPAR OR pio*OR glitazone OR TZD OR thiazo*) AND urothelium
92	ciglitazone AND (Cancer*OR neoplasm*OR bladder OR tumor*OR hyperplas*OR (safety signal) OR carcin*OR maligna*OR laten*)
93	Liver Safety Study AND (Cancer*OR neoplasm*OR bladder OR tumor*OR hyperplas*OR (safety signal) OR carcin*OR maligna*OR laten*)
94	PROactive AND (Urinalysis OR maligna*OR bladder OR tumor*OR cancer*OR neoplas*OR hyperplas*OR carcin*OR DSMC OR (Data Safety Monitoring Committee) OR DSMB OR (Drug Safety Monitoring Board) OR (safety signal) OR laten*OR smok*OR screening OR Dormandy OR benign OR classify OR classification OR reclassify*OR Lancet)
95	TAK-379 OR TAK-559 OR imiglitazar OR TAK-621 OR T-1692621 OR TAK-654 OR sipoglitazar OR naveglitazar